Authors	Title	Year	Journal	Volume	Issue	Art. No.	Page No.	Cited by	DOI	Link	Affiliation(s)	Publisher	ISSN
Thakur J.; Tomar M.; Gupta V.; Kashyap M.K.	Emergence of magnetism in silicene by introducing carbon atom as foreign atom in all possible ways	2018	Integrated Ferroelectrics	194	1		53	0	10.1080/10584587.2018.1514872	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064550478&doi=10.1080%2f10584587.2018.1514872&partnerID=40&md5=af6975a45e8324bed1c173c8d711c86a	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Gupta V.; Meier D.; Gruverman A.; Chatterjee R.	Guest Editorial	2018	Integrated Ferroelectrics	193	1		v	0	10.1080/10584587.2018.1514893	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063524255&doi=10.1080%2f10584587.2018.1514893&partnerID=40&md5=136daac954f151373ec002b58fa653c5	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sharma M.; Gupta S.; Prasad S.; Bharatiya P.K.; Mishra D.	First principles study of the influence of metallic-doping on crystalline ZnS: From efficiency aspects for use in a ZnS based dye sensitized solar cell (DSSC)	2018	Integrated Ferroelectrics	194	1		96	0	10.1080/10584587.2018.1514862	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064567354&doi=10.1080%2f10584587.2018.1514862&partnerID=40&md5=2558da766d78d7df1288b633c29709c2	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	11	42		16	10.1007/JHEP11(2018)042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056647097&doi=10.1007%2fJHEP11%282018%29042&partnerID=40&md5=bf3c54611c4931b4ebc0bf971a3b7f5e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sharma S.; Tomar M.; Gupta V.	Effect of top metal contact on the ferroelectric photovoltaic response of BFO thin film capacitors	2018	Vacuum	158			117	11	10.1016/j.vacuum.2018.09.032	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054086593&doi=10.1016%2fj.vacuum.2018.09.032&partnerID=40&md5=388ada93fecf7a5276a84288e5adebf8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Bala M.; Masarrat A.; Bhogra A.; Meena R.C.; Lu Y.-R.; Huang Y.-C.; Chen C.-L.; Dong C.-L.; Ojha S.; Avasthi D.K.; Annapoorni S.; Asokan K.	Structure and Transport Properties of Nickel-Implanted CoSb3 Skutterudite Thin Films Synthesized via Pulsed Laser Deposition	2018	ACS Applied Energy Materials	1	11		5879	8	10.1021/acsaem.8b00646	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064809011&doi=10.1021%2facsaem.8b00646&partnerID=40&md5=baedcc1f7cab927f0f42763f15a96f74	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	25740962
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at √s=13 TeV	2018	Journal of High Energy Physics	2018	11	172		24	10.1007/JHEP11(2018)172	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059814699&doi=10.1007%2fJHEP11%282018%29172&partnerID=40&md5=3460ed8431d50f924fac29f22c0a9d91	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sabarathinam S.; Thamilmaran K.	Controlling of chaos in a tumour growth cancer model: An experimental study	2018	Electronics Letters	54	20	EL.2018.5126	1160	4	10.1049/el.2018.5126	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054370620&doi=10.1049%2fel.2018.5126&partnerID=40&md5=9595978e5970af0b81a793449c4460c4	Department of Physics & Astrophysics, University of Delhi	Institution of Engineering and Technology	135194
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	11	79		43	10.1007/JHEP11(2018)079	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056909440&doi=10.1007%2fJHEP11%282018%29079&partnerID=40&md5=45a05f8871459ca2a797087c325d971e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Das S.; Bhardwaj A.; Kanbur S.M.; Singh H.P.; Marconi M.	On the variation of light-curve parameters of RR Lyrae variables at multiple wavelengths	2018	Monthly Notices of the Royal Astronomical Society	481	2		2000	15	10.1093/MNRAS/STY2358	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060870463&doi=10.1093%2fMNRAS%2fSTY2358&partnerID=40&md5=f1eebeb6706c986389cd004d194eaa6c	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Studies of Bs2∗(5840)0 and B s 1(5830) 0 mesons including the observation of the Bs2∗(5840)0→B0KS0 decay in proton-proton collisions at √s=8TeV	2018	European Physical Journal C	78	11	939		15	10.1140/epjc/s10052-018-6390-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056580621&doi=10.1140%2fepjc%2fs10052-018-6390-z&partnerID=40&md5=ba6a3e0c35bf21337a3f77cdd3d8cb7a	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	11	113		48	10.1007/JHEP11(2018)113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057062010&doi=10.1007%2fJHEP11%282018%29113&partnerID=40&md5=7076f1c1c0dd3e9666a3181ceebede80	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Dhull N.; Kaur G.; Gupta V.; Tomar M.	Development of nanostructured nickel oxide thin film matrix by rf sputtering technique for the realization of efficient bioelectrode	2018	Vacuum	158			68	7	10.1016/j.vacuum.2018.09.034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053773045&doi=10.1016%2fj.vacuum.2018.09.034&partnerID=40&md5=e74759988a7b8df5d82d9f7261aa6708	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Sarkar S.; Sethi V.	Intersecting D-brane stacks and tachyons at finite temperature	2018	Nuclear Physics B	936			118	1	10.1016/j.nuclphysb.2018.09.010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053852611&doi=10.1016%2fj.nuclphysb.2018.09.010&partnerID=40&md5=d1a7c09f5a7aca0bf017d56d9f27b04b	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	5503213
Kumar S.; Mahapatro A.K.; Mishra P.	Swift heavy silver (Ag+7) ion irradiation induced self assembled nanodots on MBE grown Gallium antimonide (GaSb)	2018	Applied Surface Science	462			815	4	10.1016/j.apsusc.2018.08.064	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052068113&doi=10.1016%2fj.apsusc.2018.08.064&partnerID=40&md5=d6faa5ebf75ffb6c91119e0f6fa3514b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1694332
Yadav N.; Mishra K.; Hashmi S.A.	Nanofiller-incorporated porous polymer electrolyte for electrochemical energy storage devices	2018	High Performance Polymers	30	8		957	11	10.1177/0954008318774392	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053663853&doi=10.1177%2f0954008318774392&partnerID=40&md5=e06fecca341b8e13d8081acd3c263a1c	Department of Physics and Astrophysics, University of Delhi, ...	SAGE Publications Ltd	9540083
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at s =13 TeV	2018	Physical Review Letters	121	24	241802		52	10.1103/PhysRevLett.121.241802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059290811&doi=10.1103%2fPhysRevLett.121.241802&partnerID=40&md5=8df183476921eb1dac374479c1c9a917	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Goyal R.; Sharma R.P.; Gupta D.N.	Whistler mode localization and turbulence implicating particle acceleration in radiation belts	2018	Physics of Plasmas	25	12	122903		1	10.1063/1.5054635	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058963716&doi=10.1063%2f1.5054635&partnerID=40&md5=fef751c392fac867cc465bf2640fc06b	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Silotia P.; Giri R.; Prasad V.	Spectra of distorted quantum ring in external fields	2018	Indian Journal of Pure and Applied Physics	56	12		941	2		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059774240&partnerID=40&md5=f2e5d71d8d90d1a65b3aa86cbf927940	Department of Physics and Astrophysics, University of Delhi	National Institute of Science Communication and Information Resources (NISCAIR)	195596
Gumber S.; Bhattacherjee A.B.; Jha P.K.	Spin transport in a Rashba-coupled two-dimensional quantum ring: An analytical model	2018	Physical Review B	98	20	205408		12	10.1103/PhysRevB.98.205408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056660870&doi=10.1103%2fPhysRevB.98.205408&partnerID=40&md5=3a24a9fa64547610a1aaec9f235c3d2a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699950

Ananthanarayan B.; Caprini I.; Das D.	Pion electromagnetic form factor at high precision with implications to aμππ and the onset of perturbative QCD	2018	Physical Review D	98	11	114015		25	10.1103/PhysRevD.98.114015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059456351&doi=10.1103%2fPhysRevD.98.114015&partnerID=40&md5=2e608b9fa5e714ad8b17c76c5f360da4	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Godara P.; Dudkowski D.; Prasad A.; Kapitaniak T.	New topological tool for multistable dynamical systems	2018	Chaos	28	11	111101		5	10.1063/1.5062598	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056272395&doi=10.1063%2f1.5062598&partnerID=40&md5=c00e31916c8d7dd7f5f4693c375ad7f6	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	10541500
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at sNN =5.02 TeV Using Isolated Photon-Tagged Jets	2018	Physical Review Letters	121	24	242301		42	10.1103/PhysRevLett.121.242301	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059112614&doi=10.1103%2fPhysRevLett.121.242301&partnerID=40&md5=7019dd95f95a43d5b8892b0def072b92	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	11	185		94	10.1007/JHEP11(2018)185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058970928&doi=10.1007%2fJHEP11%282018%29185&partnerID=40&md5=46cb65711cb63417ad6a90b981def22c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Khojali M.O.; Goyal A.; Kumar M.; Cornell A.S.	Spin-3/2 dark matter in a simple t-channel model	2018	European Physical Journal C	78	11	920		7	10.1140/epjc/s10052-018-6407-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056385754&doi=10.1140%2fepjc%2fs10052-018-6407-7&partnerID=40&md5=9a504cad496f2ceefc8fd0b7d09b9ba9	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Pattnaik A.; Tomar M.; Gupta V.; Prasad B.; Mondal S.	Optical study of ZnS nano spheres with varying amount of ethylenediamine for photovoltaic application	2018	Integrated Ferroelectrics	194	1		135	6	10.1080/10584587.2018.1514880	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064560942&doi=10.1080%2f10584587.2018.1514880&partnerID=40&md5=599f5482d43b71939bc92eb1435747c7	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Nehra K.; Kumar P.S.	Chloride ion refined galvanic replacement: Boosting monodispersity of Au-Ag hollow nanoparticles & their enhanced applications	2018	Current Applied Physics	18	10		1158	4	10.1016/j.cap.2018.02.009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049907352&doi=10.1016%2fj.cap.2018.02.009&partnerID=40&md5=cab40a9844be8942276a27b03d2fcc7a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	15671739
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at √s=13TeV	2018	European Physical Journal C	78	11	965		43	10.1140/epjc/s10052-018-6373-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056995413&doi=10.1140%2fepjc%2fs10052-018-6373-0&partnerID=40&md5=495786f9f2d0518c782dc9d0224a105d	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Vashisth B.K.; Bangruwa J.S.; Gairola S.P.; Verma V.	Structural, dielectric, ferroelectric and magnetic properties of Gd doped BiFeO3	2018	Integrated Ferroelectrics	194	1		21	13	10.1080/10584587.2018.1514869	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064573059&doi=10.1080%2f10584587.2018.1514869&partnerID=40&md5=8bd20b3875c1dd9ebe09089879119e70	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in events with a τ lepton pair and missing transverse momentum in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	11	151		35	10.1007/JHEP11(2018)151	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057553040&doi=10.1007%2fJHEP11%282018%29151&partnerID=40&md5=be2a7c495e86fddc92c59d59ba527805	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Hussain A.; Kumar B.	Intrinsic polarization and resistive leakage analyses in high performance piezo-/pyroelectric Ho-doped 0.64PMN-0.36PT binary ceramic	2018	Advanced Powder Technology	29	12		3124	13	10.1016/j.apt.2018.08.012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052806979&doi=10.1016%2fj.apt.2018.08.012&partnerID=40&md5=fee8a9e853b5a6e1a01b1bff63efe176	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	9218831
Ameer S.; Jindal K.; Tomar M.; Jha P.K.; Gupta V.	Effect of Li doping on the electronic and magnetic properties of BiFeO3 by first principles	2018	Integrated Ferroelectrics	193	1		123	3	10.1080/10584587.2018.1514875	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063548920&doi=10.1080%2f10584587.2018.1514875&partnerID=40&md5=040f937a7f84d441ac34964c6d67a37e	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of jet substructure observables in t t events from proton-proton collisions at s =13 TeV MEASUREMENT of JET SUBSTRUCTURE OBSERVABLES ... A. M. SIRUNYAN et al.	2018	Physical Review D	98	9	92014		36	10.1103/PhysRevD.98.092014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058116831&doi=10.1103%2fPhysRevD.98.092014&partnerID=40&md5=ed2867f70fc1286fb6a8387d6aadb72e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Wadhawan D.; Roychowdhury K.; Mehta P.; Das S.	Multielectron geometric phase in intensity interferometry	2018	Physical Review B	98	15	155113		4	10.1103/PhysRevB.98.155113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054555993&doi=10.1103%2fPhysRevB.98.155113&partnerID=40&md5=1be2f24ddbeeb56b62a99998cd9e0565	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699950
Tewari S.P.; Kapoor C.	Non-phononic mechanism of superconductivity in pure semi-metallic Bismuth single crystal at sub-milli Kelvin	2018	Physics Letters, Section A: General, Atomic and Solid State Physics	382	42-43		3131	3	10.1016/j.physleta.2018.08.021	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052920210&doi=10.1016%2fj.physleta.2018.08.021&partnerID=40&md5=f66302c0eb6d4a3d15aff9e6d1816ba4	Formerly at Department of Physics & Astrophysics, University of Delhi, ...	Elsevier B.V.	3759601
Kamal Halder K.; Sonker R.K.; Sachdev V.K.; Tomar M.; Gupta V.	Study of electrical, dielectric and EMI shielding behavior of copper metal, copper ferrite and PVDF composite	2018	Integrated Ferroelectrics	194	1		80	8	10.1080/10584587.2018.1514879	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064559592&doi=10.1080%2f10584587.2018.1514879&partnerID=40&md5=d6f082bba14e793b37b3c6a59142b169	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Meena P.L.; Kumar R.; Sreenivas K.	Structural, elastic and magnetic properties of spinel Co3O4	2018	Indian Journal of Pure and Applied Physics	56	11		890	12		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056838622&partnerID=40&md5=493ab6a33466a1f5262b88eca0562b70	Department of Physics and Astrophysics, University of Delhi	National Institute of Science Communication and Information Resources (NISCAIR)	195596
Singh N.; Aggarwal S.; Mohan M.	Theoretical study of energy levels and radiative properties of Be-like W70+	2018	Journal of Electron Spectroscopy and Related Phenomena	229			124	2	10.1016/j.elspec.2018.10.005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056480093&doi=10.1016%2fj.elspec.2018.10.005&partnerID=40&md5=261e8f89a0c4ca10b1a8961a8f1665fd	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3682048
Ameer S.; Tomar M.; Jha P.K.; Gupta V.	Insight into the gas phase dissociation of CF3CH2I and its reactions with H and OH by first principles	2018	Journal of Molecular Modeling	24	11	315		3	10.1007/s00894-018-3847-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055073885&doi=10.1007%2fs00894-018-3847-9&partnerID=40&md5=16ff3007a0060dc2c158f3587a39d5f8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	16102940
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two τ leptons in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	11	18		56	10.1007/JHEP11(2018)018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053477724&doi=10.1007%2fJHEP11%282018%29018&partnerID=40&md5=dd1123dc09a9b20d85c1f9e7027fd9a9	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Angular analysis of the decay B+ →k+μ+μ- in proton-proton collisions at s =8 TeV	2018	Physical Review D	98	11	112011		29	10.1103/PhysRevD.98.112011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059477183&doi=10.1103%2fPhysRevD.98.112011&partnerID=40&md5=2af075fc5049a54cc94fb7963249dce5	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Gupta S.; Paliwal A.; Guo R.; Bhalla A.S.; Gupta V.; Tomar M.	Demonstration of wide frequency bandwidth electro-optic response in SBN thin film waveguide	2018	Optical Materials	85			26	11	10.1016/j.optmat.2018.08.008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051666819&doi=10.1016%2fj.optmat.2018.08.008&partnerID=40&md5=83d40c3321616d7efce7434e8afe099a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9253467
Chandra Sati P.; Sahni M.; Kumar M.; Arora M.; Negi P.; tomar M.; Gupta V.; Kumar N.	Effect of Pr3+ substitution on structural, dielectric, electrical and magnetic properties of BiFe0.80Ti0.20O3 [Bi1-xPrxFe0.80Ti0.20O3, x = 0.05, 0.10, 0.15] ceramics	2018	Integrated Ferroelectrics	193	1		1	2	10.1080/10584587.2018.1514876	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063539884&doi=10.1080%2f10584587.2018.1514876&partnerID=40&md5=cfd11ae0ad9d7af87f3cc54e23825e18	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions	2018	Journal of Instrumentation	13	10	P10034		12	10.1088/1748-0221/13/10/P10034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056089778&doi=10.1088%2f1748-0221%2f13%2f10%2fP10034&partnerID=40&md5=fdfb2eb43ce5f7196a79653287d5d6dc	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	17480221
Kumar L.; Chauhan H.; Yadav N.; Yadav N.; Hashmi S.A.; Deka S.	Faster Ion Switching NiCo2O4 Nanoparticle Electrode-Based Supercapacitor Device with High Performances and Long Cycling Stability	2018	ACS Applied Energy Materials	1	12		6999	59	10.1021/acsaem.8b01427	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064757506&doi=10.1021%2facsaem.8b01427&partnerID=40&md5=44c34c52b476003abed5bfe56bc7ff56	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	25740962
Kumar S.; Mahajan S.; Jain S.	Feedbacks from the metabolic network to the genetic network reveal regulatory modules in E. coli and B. subtilis	2018	PLoS ONE	13	10	e0203311		6	10.1371/journal.pone.0203311	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054426336&doi=10.1371%2fjournal.pone.0203311&partnerID=40&md5=c9f1d6ba8e462f4103b9f9c031575110	Department of Physics and Astrophysics, University of Delhi, ...	Public Library of Science	19326203
Sharma R.; Jaleel A.; Jain C.; Pandey J.C.; Paul B.; Dutta A.	Spectral properties of MXB 1658-298 in the low/hard and high/soft state	2018	Monthly Notices of the Royal Astronomical Society	481	4		5560	8	10.1093/MNRAS/STY2678	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060918456&doi=10.1093%2fMNRAS%2fSTY2678&partnerID=40&md5=6f83b10fcde81e23d31f6ef458cfcc98	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at √s=8 TeV	2018	Journal of High Energy Physics	2018	11	115		38	10.1007/JHEP11(2018)115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057130234&doi=10.1007%2fJHEP11%282018%29115&partnerID=40&md5=d825e7428fd9038cba44ba64693e475e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Pseudorapidity and transverse momentum dependence of flow harmonics in p Pb and PbPb collisions	2018	Physical Review C	98	4	44902		11	10.1103/PhysRevC.98.044902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054527535&doi=10.1103%2fPhysRevC.98.044902&partnerID=40&md5=0d576f13a10fbe4263c40f9ed777e7cf	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at s =13 TeV	2018	Physical Review Letters	121	22	221802		26	10.1103/PhysRevLett.121.221802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057986772&doi=10.1103%2fPhysRevLett.121.221802&partnerID=40&md5=af07c5ee358ee11637de11ee1496db9d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007

Hall T.; Thomas E., Jr.; Avinash K.; Merlino R.; Rosenberg M.	Methods for the characterization of imposed, ordered structures in MDPX	2018	Physics of Plasmas	25	10	103702		13	10.1063/1.5049594	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054973102&doi=10.1063%2f1.5049594&partnerID=40&md5=9925247a75dbb2ecb408cbbbb5f4b917	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Bangruwa J.S.; Verma V.	Structural, magnetic and electric properties of pure, Pr, Ce doped and Ce–Mn co-doped bismuth ferrites	2018	Integrated Ferroelectrics	194	1		8	2	10.1080/10584587.2018.1514891	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064532725&doi=10.1080%2f10584587.2018.1514891&partnerID=40&md5=8cf38d20ad20eba1d0f7ef9e8f42bcd2	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at s =13 TeV	2018	Physical Review D	98	9	92011		37	10.1103/PhysRevD.98.092011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058100356&doi=10.1103%2fPhysRevD.98.092011&partnerID=40&md5=557741142bfb04d51256604749c29476	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at s =13 TeV	2018	Physical Review D	98	9	92001		49	10.1103/PhysRevD.98.092001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058085831&doi=10.1103%2fPhysRevD.98.092001&partnerID=40&md5=dde9a94663549f4cc28a20090522621d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at √s=8 and 13 TeV	2018	Journal of High Energy Physics	2018	11	161		31	10.1007/JHEP11(2018)161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058623941&doi=10.1007%2fJHEP11%282018%29161&partnerID=40&md5=c9f12f0fb03bcdede2844da8e967125a	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Performance of reconstruction and identification of τ leptons decaying to hadrons and ντ in pp collisions at s=13 TeV	2018	Journal of Instrumentation	13	10	P10005		72	10.1088/1748-0221/13/10/P10005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056117966&doi=10.1088%2f1748-0221%2f13%2f10%2fP10005&partnerID=40&md5=efed7d75e0ba3b71e23892de135fee2c	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	17480221
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of the Z →ψ + - Decay in pp Collisions at s =13 TeV	2018	Physical Review Letters	121	14	141801		6	10.1103/PhysRevLett.121.141801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054666594&doi=10.1103%2fPhysRevLett.121.141801&partnerID=40&md5=78456f70147c4ea5d0654bdfa0d988d8	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	10	117		36	10.1007/JHEP10(2018)117	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055321108&doi=10.1007%2fJHEP10%282018%29117&partnerID=40&md5=cac9e141c5371e2224f1af736b4a8161	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sharma S.; Paliwal A.; Tomar M.; Singh F.; Puri N.K.; Gupta V.	Detailed optical analysis of 100 MeV Ni7+ ion irradiated WO3 thin films using Surface Plasmon Resonance	2018	Radiation Physics and Chemistry	153			51	5	10.1016/j.radphyschem.2018.09.004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053199154&doi=10.1016%2fj.radphyschem.2018.09.004&partnerID=40&md5=71dcd53671651e27723ba692146e467d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0969806X
Batra K.; Sinha N.; Goel S.; Yadav H.; Joseph A.J.; Kumar B.	Enhanced dielectric, ferroelectric and piezoelectric performance of Nd-ZnO nanorods and their application in flexible piezoelectric nanogenerator	2018	Journal of Alloys and Compounds	767			1003	46	10.1016/j.jallcom.2018.07.187	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050091497&doi=10.1016%2fj.jallcom.2018.07.187&partnerID=40&md5=a3ea733f153f35f78cfbd35709361df0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two τ leptons in proton–proton collisions at s=13TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	785			462	57	10.1016/j.physletb.2018.08.057	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053468138&doi=10.1016%2fj.physletb.2018.08.057&partnerID=40&md5=984fe39ca8029ea5d05f439edb08017a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Charged-particle nuclear modification factors in XeXe collisions at √sNN=5.44 TeV	2018	Journal of High Energy Physics	2018	10	138		22	10.1007/JHEP10(2018)138	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055417424&doi=10.1007%2fJHEP10%282018%29138&partnerID=40&md5=1a021aad3929939688f80e82df03baaf	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sharma R.; Pathak N.K.; Sharma R.P.	Computational Study of Plasmon Interaction in Organic Media: a Comparison Between Analytical and Numerical Model for Dimer	2018	Plasmonics	13	5		1775	6	10.1007/s11468-018-0691-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041121769&doi=10.1007%2fs11468-018-0691-9&partnerID=40&md5=65f2a74bc4637c400a756e58235c0129	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	15571955
Singh N.; Goyal A.; Mohan M.	Extended atomic structure calculations for energy levels and radiative data of Xe XLIII	2018	Journal of Electron Spectroscopy and Related Phenomena	229			94	2	10.1016/j.elspec.2018.10.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055115187&doi=10.1016%2fj.elspec.2018.10.003&partnerID=40&md5=141e490fdbb4051dd120801963c08963	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3682048
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the top quark mass with lepton+jets final states using p p collisions at √s=13TeV	2018	European Physical Journal C	78	11	891		35	10.1140/epjc/s10052-018-6332-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056078948&doi=10.1140%2fepjc%2fs10052-018-6332-9&partnerID=40&md5=db7a672aa84c336f0ce4b53073422867	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Phogat A.; Gaur A.; Rafik M.; Kumar A.; Naimuddin M.	New front-end electronics for INO-ICAL experiment	2018	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	905			193	3	10.1016/j.nima.2018.07.070	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050971122&doi=10.1016%2fj.nima.2018.07.070&partnerID=40&md5=aa0b000f9319852617c85db996988866	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Jain S.K.; Krishna S.; Aggarwal N.; Kumar R.; Gundimeda A.; Husale S.C.; Gupta V.; Gupta G.	Effect of Metal Contacts on a GaN/Sapphire-Based MSM Ultraviolet Photodetector	2018	Journal of Electronic Materials	47	10		6086	22	10.1007/s11664-018-6501-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049848026&doi=10.1007%2fs11664-018-6501-5&partnerID=40&md5=c0ffd964ea4adb33e84abf712045bdbc	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	3615235
Ameer S.; Jindal K.; Tomar M.; Kumar A.; Jha P.K.; Gupta V.	A theoretical and experimental formalism of electronic structure of BFO:Cr thin films and modulation of their electrical properties upon visible light illumination	2018	Journal of Applied Physics	124	15	155304		9	10.1063/1.5038841	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055161623&doi=10.1063%2f1.5038841&partnerID=40&md5=d619ff6193cab781c59badbe1a767028	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	218979
Gaurav S.; Avinash K.	Effect of ion drag on Jean's instability in dusty plasma	2018	Physics of Plasmas	25	11	114503		7	10.1063/1.5058284	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056323914&doi=10.1063%2f1.5058284&partnerID=40&md5=505665878e6add6a949a84832893905b	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Hussain A.; Sinha N.; Joseph A.J.; Goel S.; Kumar B.	Ferroelectric Sb-doped PMN-PT crystal: high electromechanical response with true-remanent polarization and resistive leakage analyses	2018	Journal of Materials Science: Materials in Electronics	29	22		19567	16	10.1007/s10854-018-0088-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053696115&doi=10.1007%2fs10854-018-0088-8&partnerID=40&md5=1c9d21a7e05b37f48003b04bffaf7bfd	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522

Kalimuthu V.; Kumar P.; Kumar M.; Rath S.	Growth mechanism and optical properties of ge nanocrystals embedded in a geox matrix	2018	Applied Physics A: Materials Science and Processing	124	10	712	1	6	10.1007/s00339-018-2134-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084941735&doi=10.1007%2fs00339-018-2134-z&partnerID=40&md5=d8f85efb7a26d6ffe593ddb6c56e32fe	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9478396
Joseph A.J.; Sinha N.; Goel S.; Hussain A.; Kumar B.	0.37BF-0.31PMN-0.32PT: A superior piezo-/pyro-/ferro-electric ternary ceramic at MPB	2018	Ceramics International	44	15		18633	12	10.1016/j.ceramint.2018.07.089	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049797292&doi=10.1016%2fj.ceramint.2018.07.089&partnerID=40&md5=e119f61d36605b0c67454feb065db8a4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at s =13 TeV	2018	Physical Review D	98	11	112014		36	10.1103/PhysRevD.98.112014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059460372&doi=10.1103%2fPhysRevD.98.112014&partnerID=40&md5=dfa2361f8ff8d8cff4b8dae28a06f582	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sharma J.; Hashmi S.A.	Plastic crystal-incorporated magnesium ion conducting gel polymer electrolyte for battery application	2018	Bulletin of Materials Science	41	6	147		10	10.1007/s12034-018-1662-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067874828&doi=10.1007%2fs12034-018-1662-7&partnerID=40&md5=3ea32b3ff80ba68f698fd6d5eb37bc6d	Department of Physics and Astrophysics, University of Delhi	Springer	2504707
Ameer S.; Jindal K.; Sharma S.; Jha P.K.; Tomar M.; Gupta V.	Structural, morphological and optical properties of BiFe0.99Cr0.01O3 thin films	2018	Vacuum	158			166	8	10.1016/j.vacuum.2018.09.051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054316223&doi=10.1016%2fj.vacuum.2018.09.051&partnerID=40&md5=8fee888daea23df8ccc00d900325122c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Kumar P.; Vedeshwar A.G.	Generation of frequency-tunable squeezed single photons from a single quantum dot	2018	Journal of the Optical Society of America B: Optical Physics	35	12		3055	2	10.1364/JOSAB.35.003055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057771482&doi=10.1364%2fJOSAB.35.003055&partnerID=40&md5=2ec21c6556b0e37de75f3d129027c3e8	Department of Physics and Astrophysics, University of Delhi	OSA - The Optical Society	7403224
Bhardwaj V.; Pal S.P.; Varga L.K.; Tomar M.; Gupta V.; Chatterjee R.	Weak antilocalization and quantum oscillations of surface states in topologically nontrivial DyPdBi(110)Half Heusler alloy	2018	Scientific Reports	8	1	9931		12	10.1038/s41598-018-28382-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049392535&doi=10.1038%2fs41598-018-28382-1&partnerID=40&md5=7fac1bc32babfbb87d06322e02166137	Department of Physics and Astrophysics, University of Delhi, ...	Nature Publishing Group	20452322
Sharma S.; Tomar M.; Puri N.K.; Gupta V.	WO3/BTO heterostructures based NO2 sensor with enhanced response characteristics	2018	Integrated Ferroelectrics	193	1		106	1	10.1080/10584587.2018.1516069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063491389&doi=10.1080%2f10584587.2018.1516069&partnerID=40&md5=a615f98e4721433aa76a6cc586cecf42	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sharma M.; Sen S.; Gupta J.; Ghosh M.; Pitale S.; Gupta V.; Gadkari S.C.	Tunable blue-green emission from ZnS(Ag) nanostructures grown by hydrothermal synthesis	2018	Journal of Materials Research	33	23		3963	22	10.1557/jmr.2018.358	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056164536&doi=10.1557%2fjmr.2018.358&partnerID=40&md5=f8cae522a69fa5aab9871096af382117	Department of Physics and Astrophysics, University of Delhi, ...	Cambridge University Press	8842914
Takahashi K.; Yokokawa K.; Mizumura A.; Matsumoto J.; Shiromaru H.; Kumar H.; Bhatt P.; Safvan C.P.	Power-law decay of doubly ionized ethylene	2018	Physical Review A	98	6	62708		5	10.1103/PhysRevA.98.062708	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059366961&doi=10.1103%2fPhysRevA.98.062708&partnerID=40&md5=c3e913543fd06a91598c5e36afac24b3	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699926

Budhiraja N.; Sapna; Kumar V.; Tomar M.; Gupta V.; Singh S.K.	Facile Synthesis of Porous CuO Nanosheets as High-performance NO2 Gas Sensor	2018	Integrated Ferroelectrics	193	1		59	4	10.1080/10584587.2018.1514884	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055251296&doi=10.1080%2f10584587.2018.1514884&partnerID=40&md5=baea351e7da119f9e288a2f31eb896cc	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Gupta S.; Paliwal A.; Gupta V.; Tomar M.	Waveguide coupled surface plasmon resonance based electro optic modulation in SBN thin films	2018	Applied Surface Science	458			139	20	10.1016/j.apsusc.2018.07.039	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049802969&doi=10.1016%2fj.apsusc.2018.07.039&partnerID=40&md5=9bc0f92b90d46c3174ce96a904cec422	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1694332
Paliwal A.; Tomar M.; Gupta V.	Study of optical properties of Ce and Mn doped BiFeO3 thin films using SPR technique for magnetic field sensing	2018	Vacuum	158			48	14	10.1016/j.vacuum.2018.09.018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053751156&doi=10.1016%2fj.vacuum.2018.09.018&partnerID=40&md5=a0395c5d42d7a81d96807ca72153004d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Rohin Y.	correlcalc: A 'generic' recipe for calculation of two-point correlation function	2018	Astronomy and Computing	25			149	1	10.1016/j.ascom.2018.09.011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054431564&doi=10.1016%2fj.ascom.2018.09.011&partnerID=40&md5=e8c513d403ad0375ee24991d4c17a203	Department of Physics & Astrophysics, University of Delhi	Elsevier B.V.	22131337
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at s =13 TeV	2018	Physical Review Letters	121	14	141802		6	10.1103/PhysRevLett.121.141802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055080768&doi=10.1103%2fPhysRevLett.121.141802&partnerID=40&md5=7540ccebdd7e167c8095193289ec3a76	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Rana L.; Gupta R.; Sharma A.; Tomar M.; Gupta V.	Fabrication of ZnO/Si lamb wave acoustic devices	2018	Ferroelectrics	535	1		41	4	10.1080/00150193.2018.1474644	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062779357&doi=10.1080%2f00150193.2018.1474644&partnerID=40&md5=f3cf4c2d0b2e25cc20eae41b127d03ef	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Inc.	150193
Dewan S.; Tomar M.; Kapoor A.K.; Tandon R.P.; Gupta V.	XPS resolved surface states analysis of ZnO and Ni doped ZnO films for quantum well applications	2018	Ferroelectrics	534	1		199	2	10.1080/00150193.2018.1473678	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062272237&doi=10.1080%2f00150193.2018.1473678&partnerID=40&md5=27c0bc30fe4d6385059fb5d74b769cbb	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Inc.	150193
Srivastava N.; Srivastava M.; Gupta V.K.; Ramteke P.W.; Mishra P.K.	A novel strategy to enhance biohydrogen production using graphene oxide treated thermostable crude cellulase and sugarcane bagasse hydrolyzate under co-culture system	2018	Bioresource Technology	270			337	41	10.1016/j.biortech.2018.09.038	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053471784&doi=10.1016%2fj.biortech.2018.09.038&partnerID=40&md5=1e244314ecd90a2ad5d35f72f40f5e0c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9608524
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the decay of a Higgs boson in the ℓℓγ channel in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	11	152		38	10.1007/JHEP11(2018)152	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057479730&doi=10.1007%2fJHEP11%282018%29152&partnerID=40&md5=03dcef3dcbe43c0936c03a03b8bbce46	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Abbas G.; Das D.; Patra M.	Loop induced H± →w±Z decays in the aligned two-Higgs-doublet model LOOP INDUCED H± →w±Z DECAYS in ··· GAUHAR ABBAS, DIGANTA DAS, and MONALISA PATRA	2018	Physical Review D	98	11	115013		9	10.1103/PhysRevD.98.115013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059442737&doi=10.1103%2fPhysRevD.98.115013&partnerID=40&md5=3df46c06e9c51c22b2d70936ea36aaa6	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Singh A.; Sharma A.; Dhull N.; Arora A.; Tomar M.; Gupta V.	MEMS-based microheaters integrated gas sensors	2018	Integrated Ferroelectrics	193	1		72	10	10.1080/10584587.2018.1514877	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063440979&doi=10.1080%2f10584587.2018.1514877&partnerID=40&md5=0061a3b2057e92636eb4cde2bc6a3d7e	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Study of jet quenching with isolated-photon+jet correlations in PbPb and pp collisions at sNN=5.02 TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	785			14	40	10.1016/j.physletb.2018.07.061	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052100109&doi=10.1016%2fj.physletb.2018.07.061&partnerID=40&md5=07409c387be19fa1fb14b26f33fad6da	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Gupta B.K.; Sultana R.; Singh S.; Singh V.; Awana G.; Gupta A.; Singh B.; Srivastava A.K.; Srivastava O.N.; Auluck S.; Awana V.P.S.	Unexplored photoluminescence from bulk and mechanically exfoliated few layers of Bi2Te3	2018	Scientific Reports	8	1	9205		13	10.1038/s41598-018-27549-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048720048&doi=10.1038%2fs41598-018-27549-0&partnerID=40&md5=2f54568118158f17ff72c549fb0654eb	Department of Physics and Astrophysics, University of Delhi, ...	Nature Publishing Group	20452322
Sabarathinam S.; Prasad A.	Generalized synchronization in a conservative and nearly conservative systems of star network	2018	Chaos	28	11	113107		10	10.1063/1.5030730	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056080366&doi=10.1063%2f1.5030730&partnerID=40&md5=edde6cf684a3f573c44afaddd1c3308b	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	10541500
Yadav N.; Singh M.K.; Yadav N.; Hashmi S.A.	High performance quasi-solid-state supercapacitors with peanut-shell-derived porous carbon	2018	Journal of Power Sources	402			133	94	10.1016/j.jpowsour.2018.09.032	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053425692&doi=10.1016%2fj.jpowsour.2018.09.032&partnerID=40&md5=af99b611697cbde023807a2571ca96d4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3787753
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Event shape variables measured using multijet final states in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	12	117		21	10.1007/JHEP12(2018)117	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059087917&doi=10.1007%2fJHEP12%282018%29117&partnerID=40&md5=1e9b59087c29d3483e39379c79e21912	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Trivedi P.; Reppin J.; Chluba J.; Banerjee R.	Magnetic heating across the cosmological recombination era: Results from 3D MHD simulations	2018	Monthly Notices of the Royal Astronomical Society	481	3		3401	11	10.1093/mnras/sty1757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054285227&doi=10.1093%2fmnras%2fsty1757&partnerID=40&md5=14b1bdf8f8197544df025291bf9e176	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the groomed jet mass in PbPb and pp collisions at √sNN=5.02 TeV	2018	Journal of High Energy Physics	2018	10	161		30	10.1007/JHEP10(2018)161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056121335&doi=10.1007%2fJHEP10%282018%29161&partnerID=40&md5=0f74240bc1a3c2940a118f89bc68aee7	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Devi K.R.; Kumar S.; Kumar N.; Abhilash S.R.; Kabiraj D.	Fabrication of 121Sb isotopic targets for the study of nuclear high spin features	2018	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	893			35	4	10.1016/j.nima.2018.03.031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044119488&doi=10.1016%2fj.nima.2018.03.031&partnerID=40&md5=217263e05134246d7adce1bb0bcd7e93	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	New constraints on oscillation parameters from νe appearance and νμ disappearance in the NOvA experiment	2018	Physical Review D	98	3	32012		153	10.1103/PhysRevD.98.032012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053010173&doi=10.1103%2fPhysRevD.98.032012&partnerID=40&md5=22bf45c80dd6ad9eb6ab60020f8519e9	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Roy S.; Polyakov A.; Mohseni K.; Meyerheim H.L.	X-Ray Structure Analysis of Ultra-Thin Silver Films on the (0001) Surface of the Topological Insulator Bi2Se3	2018	Physica Status Solidi - Rapid Research Letters	12	7	1800138		3	10.1002/pssr.201800138	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046378017&doi=10.1002%2fpssr.201800138&partnerID=40&md5=79601d3cd4493df777f802a6baec1a66	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-VCH Verlag	18626254
Choudhury D.; Ghosh K.; Niyogi S.	Probing nonstandard neutrino interactions at the LHC Run II	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	784			248	13	10.1016/j.physletb.2018.07.053	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051399614&doi=10.1016%2fj.physletb.2018.07.053&partnerID=40&md5=7b9851e62948d14629a054f654011e7e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Puri N.; Tandon R.P.; Mahapatro A.K.	Variable range hopping conduction in fully dense calcium cobalt oxide textured ceramics	2018	Ceramics International	44	13		15478	1	10.1016/j.ceramint.2018.05.205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047739851&doi=10.1016%2fj.ceramint.2018.05.205&partnerID=40&md5=3cb6b9d95f50d48191946bbe9db05179	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	2728842
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	8	16		51	10.1007/JHEP08(2018)016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051465294&doi=10.1007%2fJHEP08%282018%29016&partnerID=40&md5=672c948684c63471166b8e01264cec19	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy resonance decaying into a Z boson and a vector boson in the $\nu\bar{\nu}q\bar{q}$ final state	2018	Journal of High Energy Physics	2018	7	75		26	10.1007/JHEP07(2018)075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049954918&doi=10.1007%2fJHEP07%282018%29075&partnerID=40&md5=493e6475c6c5dd9c56fd140dd9c19a93	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Tumram P.; Sahare P.D.; Moharil S.V.	Energy transfer studies in Ca10Li(PO4)7:Ce3+, Nd3+	2018	Optik	168			92	2	10.1016/j.ijleo.2018.04.077	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045571270&doi=10.1016%2fj.ijleo.2018.04.077&partnerID=40&md5=fc153681b47f9814c85b770c285025ff	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier GmbH	304026
Zotos E.E.; Suraj M.S.; Aggarwal R.; Satya S.K.	Investigating the Basins of Convergence in the Circular Sitnikov Three-Body Problem with Non-spherical Primaries	2018	Few-Body Systems	59	4	69		14	10.1007/s00601-018-1393-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046541890&doi=10.1007%2fs00601-018-1393-8&partnerID=40&md5=1bf32580d70a7fa399268bdd2d1631e5	Department of Physics and Astrophysics, University of Delhi, ...	Springer-Verlag Wien	1777963
Bangruwa J.S.; Vashisth B.K.; Singh N.; Verma V.	Anomalous ferroelectric and magnetic behavior in BPFO-NZFO multiferroic nano-composites	2018	Ceramics International	44	10		11737	15	10.1016/j.ceramint.2018.03.252	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044572394&doi=10.1016%2fj.ceramint.2018.03.252&partnerID=40&md5=0c3e9a4401ff322681bd0b40d054206f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Gopal K.; Raja M.A.; Gupta D.N.; Avinash K.; Sharma S.C.	Laser-pulse shape effects on magnetic field generation in underdense plasmas	2018	Indian Journal of Physics	92	7		919	4	10.1007/s12648-018-1167-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048460924&doi=10.1007%2fs12648-018-1167-7&partnerID=40&md5=190b7456e8ee617f8a7603e71207742b	Department of Physics and Astrophysics, University of Delhi, ...	Scientific Publishers	9731458
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the inelastic proton-proton cross section at √s=13 TeV	2018	Journal of High Energy Physics	2018	7	161		133	10.1007/JHEP07(2018)161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045182360&doi=10.1007%2fJHEP07%282018%29161&partnerID=40&md5=15c757f4b0ad7fdb0c03ef8653892cef	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Sharma P.; Avinash K.; Gupta D.N.	Oscillating two-stream instability in strongly coupled plasma	2018	Laser and Particle Beams	36	3		376	4	10.1017/S0263034618000368	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056113694&doi=10.1017%2fS0263034618000368&partnerID=40&md5=feb4c84a5c558be67826c065e03b8505	Department of Physics and Astrophysics, University of Delhi	Cambridge University Press	2630346
Kumar P.; Saxena N.; Singh F.; Gupta V.	Ion beam assisted fortification of photoconduction and photosensitivity	2018	Sensors and Actuators, A: Physical	279			343	12	10.1016/j.sna.2018.06.037	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049089093&doi=10.1016%2fj.sna.2018.06.037&partnerID=40&md5=a9869277b241e68605900b7aba164255	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9244247
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a singly produced third-generation scalar leptoquark decaying to a τ lepton and a bottom quark in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	7	115		28	10.1007/JHEP07(2018)115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050387530&doi=10.1007%2fJHEP07%282018%29115&partnerID=40&md5=36cd8b34658f43de8ec6c8179680c599	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Dewan S.; Paliwal A.; Tomar M.; Kapoor A.K.; Tandon R.P.; Gupta V.	Surface plasmon resonance aided analysis of quantum wells for photonic device applications	2018	Materials and Design	150			94	8	10.1016/j.matdes.2018.04.010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045685542&doi=10.1016%2fj.matdes.2018.04.010&partnerID=40&md5=65b776404b3bf9b47dbaaa850298bc6a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2641275
Gupta S.; Paliwal A.; Gupta V.; Tomar M.	Study of birefringence and electro-optic effect in SBN60 thin film	2018	Ferroelectrics	533	1		35	2	10.1080/00150193.2018.1470828	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062273437&doi=10.1080%2f00150193.2018.1470828&partnerID=40&md5=3d9bbf487570f53a282d3d3927a5ef90	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Inc.	150193
Kumar S.; Sahare P.D.; Kumar S.	Optimization of the CVD parameters for ZnO nanorods growth: Its photoluminescence and field emission properties	2018	Materials Research Bulletin	105			237	40	10.1016/j.materresbull.2018.05.002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046827256&doi=10.1016%2fj.materresbull.2018.05.002&partnerID=40&md5=02a4dd4cc71d5deeffc0fd3051d0563d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	255408
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer	2018	Journal of High Energy Physics	2018	7	153		45	10.1007/JHEP07(2018)153	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051832717&doi=10.1007%2fJHEP07%282018%29153&partnerID=40&md5=ce7241f199d484dffcdd66a69d3345d0	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Kumar S.; Sahare P.D.; Kumar S.	Morphological transformations induced by Co impurity in ZnO nanostructures prepared by rf-sputtering and their physical properties	2018	Journal of Materials Science: Materials in Electronics	29	14		11719	6	10.1007/s10854-018-9270-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047121686&doi=10.1007%2fs10854-018-9270-2&partnerID=40&md5=c1d5f67e7d605fe61e3400c80c67ce91	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Sharma S.; Tomar M.; Kumar A.; Gupta V.	Studies on the effect of integration of metal nanoclusters on the electrical and ferroelectric properties of barium titanate thin film	2018	Ferroelectrics	533	1		43	0	10.1080/00150193.2018.1470829	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062287398&doi=10.1080%2f00150193.2018.1470829&partnerID=40&md5=f2eca4459a3fed463293e43f3283dcf2	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Inc.	150193
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for third-generation scalar leptoquarks decaying to a top quark and a τ lepton at √s=13Te	2018	European Physical Journal C	78	9	707		51	10.1140/epjc/s10052-018-6143-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052741118&doi=10.1140%2fepjc%2fs10052-018-6143-z&partnerID=40&md5=609bd80ba2e5684d8b1cb38835af7194	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044

Yadav M.; Sharma S.C.; Gupta D.N.	Electron Acceleration by a Relativistic Electron Plasma Wave in Inverse-Free-Electron Laser Mechanism	2018	IEEE Transactions on Plasma Science	46	7		2521	10	10.1109/TPS.2018.2843362	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049082344&doi=10.1109%2fTPS.2018.2843362&partnerID=40&md5=2a128380eb914fe556803797a1a125e5	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	933813
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Electroweak production of two jets in association with a Z boson in proton–proton collisions at √s= 13 TeV	2018	European Physical Journal C	78	7	589		28	10.1140/epjc/s10052-018-6049-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051441528&doi=10.1140%2fepjc%2fs10052-018-6049-9&partnerID=40&md5=69b96dafa0c66c857ce359cc84d6fca7	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Nautiyal V.V.; Silotia P.	Second harmonic generation in a disk shaped quantum dot in the presence of spin-orbit interaction	2018	Physics Letters, Section A: General, Atomic and Solid State Physics	382	31		2061	26	10.1016/j.physleta.2018.05.017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048504366&doi=10.1016%2fj.physleta.2018.05.017&partnerID=40&md5=7971c3bc5a75510057d425ba0b927788	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	3759601
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at s =13 TeV	2018	Physical Review D	98	3	32005		70	10.1103/PhysRevD.98.032005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053014490&doi=10.1103%2fPhysRevD.98.032005&partnerID=40&md5=0a37f1bb30d022ddaa2f71fb666b3c7a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Physics beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at 13 TeV	2018	Physical Review Letters	120	24	241801		20	10.1103/PhysRevLett.120.241801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049503941&doi=10.1103%2fPhysRevLett.120.241801&partnerID=40&md5=9d598c1f5f45015cd99322d6f0042c0b	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Singh A.; Sharma A.; Tomar M.; Gupta V.	Growth of highly porous ZnO nanostructures for carbon monoxide gas sensing	2018	Surface and Coatings Technology	343			49	26	10.1016/j.surfcoat.2017.11.020	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85035350292&doi=10.1016%2fj.surfcoat.2017.11.020&partnerID=40&md5=fc089a744e6106cf09caffededd31102	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	2578972
Devi K.R.; Kumar S.; Palit R.	Geometry of magnetic rotational (MR) band-crossing phenomenon in MR bands	2018	Pramana - Journal of Physics	91	1	8		1	10.1007/s12043-018-1584-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048255372&doi=10.1007%2fs12043-018-1584-3&partnerID=40&md5=ff25f2173e5ade418a9a810c23c6a4f8	Department of Physics and Astrophysics, University of Delhi, ...	Springer India	3044289
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for beyond the standard model Higgs bosons decaying into a b b ¯ pair in pp collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	8	113		52	10.1007/JHEP08(2018)113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052074647&doi=10.1007%2fJHEP08%282018%29113&partnerID=40&md5=24edb750ee0eb62cc2737b1bda746366	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sonker R.K.; Rahul; Sabhajeet S.R.	ZnO nanoneedle structure based dye-sensitized solar cell utilizing solid polymer electrolyte	2018	Materials Letters	223			133	25	10.1016/j.matlet.2018.03.199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045052374&doi=10.1016%2fj.matlet.2018.03.199&partnerID=40&md5=1c37879c2a5716422cc191f6b449f1ef	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	0167577X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of the χb1 (3P) and χb2 (3P) and Measurement of their Masses	2018	Physical Review Letters	121	9	92002		28	10.1103/PhysRevLett.121.092002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053284118&doi=10.1103%2fPhysRevLett.121.092002&partnerID=40&md5=944b37ca0f6a38082ac80069c41b6391	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007

Sikarwar S.; Sonker R.K.; Shukla A.; Yadav B.C.	Synthesis and investigation of cubical shaped barium titanate and its application as opto-electronic humidity sensor	2018	Journal of Materials Science: Materials in Electronics	29	15		12951	12	10.1007/s10854-018-9415-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048057380&doi=10.1007%2fs10854-018-9415-3&partnerID=40&md5=956f3558f37ee08c3fffcdf6fe726e1c	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Ahmed S.; Rafat M.; Singh M.K.; Hashmi S.A.	A free-standing, flexible PEDOT:PSS film and its nanocomposites with graphene nanoplatelets as electrodes for quasi-solid-state supercapacitors	2018	Nanotechnology	29	39	395401		32	10.1088/1361-6528/aad0b8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050734055&doi=10.1088%2f1361-6528%2faad0b8&partnerID=40&md5=8635f53c7342e65842fedf8940f496c8	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9574484
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dark matter produced in association with a Higgs boson decaying to γγ or τ + τ − at √s=13 TeV	2018	Journal of High Energy Physics	2018	9	46		29	10.1007/JHEP09(2018)046	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053262561&doi=10.1007%2fJHEP09%282018%29046&partnerID=40&md5=dc76c81eb2ec7270f25a920b90e66833	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Das D.	On the angular distribution of Λb→ Λ(→ N π)τ +τ −decay	2018	Journal of High Energy Physics	2018	7	63		15	10.1007/JHEP07(2018)063	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049862670&doi=10.1007%2fJHEP07%282018%29063&partnerID=40&md5=37737d6d014d27b96b8d57fe90a15cb3	Department of Physics and Astrophysics, University of Delhi	Springer Verlag	11266708
Bhukkal S.; Sinha N.; Yadav H.; Goel S.; Singh B.; Bdikin I.; Kumar B.	Glycine glutaric acid cocrystals: Morphological, optical, dielectric and mechanical properties via nanoindentation	2018	Vacuum	154		90	20	10.1016/j.vacuum.2018.04.043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046799753&doi=10.1016%2fj.vacuum.2018.04.043&partnerID=40&md5=30067c8a6d4e4d5be7df2ca49477e0b9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Kumar R.; Kaur A.	Effect of various reduction methods of graphene oxide on electromagnetic shielding performance of reduced graphene oxide against electromagnetic pollution in X-band frequency	2018	Materials Today Communications	16			374	11	10.1016/j.mtcomm.2017.11.001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85035065325&doi=10.1016%2fj.mtcomm.2017.11.001&partnerID=40&md5=a03a8bcddadb259c7428e69149f0001a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Singh N.; Goyal A.; Mohan M.	Theoretical study of extreme ultraviolet and soft X-ray transitions of In XLVI and Sn XLVII with plasma parameters	2018	Journal of Electron Spectroscopy and Related Phenomena	227			23	0	10.1016/j.elspec.2018.06.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048855247&doi=10.1016%2fj.elspec.2018.06.003&partnerID=40&md5=41c1f4a5346df1846600bc95bc0ad6e5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3682048
Thakur M.; Behera B.R.; Mahajan R.; Kaur G.; Sharma P.; Kapoor K.; Rani K.; Sugathan P.; Jhingan A.; Saneesh N.; Dubey R.; Yadav A.; Chatterjee A.; Chatterjee M.B.; Kumar N.; Mandal S.; Duggi S.K.; Saxena A.; Kailas S.; Pal S.	Measurement of mass-gated neutron multiplicity for the Ti 48 + Pb 208 reaction at 57.4 MeV excitation energy	2018	Physical Review C	98	1	14606		9	10.1103/PhysRevC.98.014606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049748574&doi=10.1103%2fPhysRevC.98.014606&partnerID=40&md5=7ff57cef7d1d20f9314d55a436a564e5	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Shaikh M.M.; Nath S.; Gehlot J.; Banerjee T.; Mukul I.; Dubey R.; Shamlath A.; Laveen P.V.; Shareef M.; Jhingan A.; Madhavan N.; Rajbongshi T.; Jisha P.; Naga Jyothi G.; Tejaswi A.; Sahoo R.N.; Rani A.	Investigation of fusion hindrance in a soft asymmetric system deep below the barrier	2018	Journal of Physics G: Nuclear and Particle Physics	45	9	95103		8	10.1088/1361-6471/aad5c7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051730114&doi=10.1088%2f1361-6471%2faad5c7&partnerID=40&md5=fad90707d33ba533828e99924bd65494	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9543899

Jangra S.; Sharma B.; Jangra R.; Chhokar V.; Duhan S.	Saponin-loaded SBA-15: release properties and cytotoxicity to Panc-I cancer cells	2018	Journal of Porous Materials	25	4		945	4	10.1007/s10934-017-0506-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029518847&doi=10.1007%2fs10934-017-0506-y&partnerID=40&md5=0633835777bc4fc417bfe524f6b4351e	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	13802224
Kojecky L.; Zelinka I.; Prasad A.; Vantuch T.; Tomaszek L.	Investigation on unconventional synthesis of astroinformatic data classifier powered by irregular dynamics	2018	IEEE Intelligent Systems	33	4	8497013	63	0	10.1109/MIS.2018.043741323	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055553845&doi=10.1109%2fMIS.2018.043741323&partnerID=40&md5=75d1c6b58a6cfe55bdd38b5352f1e1d3	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	15411672
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Bose-Einstein correlations in pp, pPb, and PbPb collisions at sNN =0.9-7 TeV BOSE-EINSTEIN CORRELATIONS in pp, pPb, ⋯ A. M. SIRUNYAN et al.	2018	Physical Review C	97	6	64912		30	10.1103/PhysRevC.97.064912	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049571141&doi=10.1103%2fPhysRevC.97.064912&partnerID=40&md5=9dcdf73618fb513b6dd7aa7a5c64ae28	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy resonance decaying into a Z boson and a Z or W boson in 2ℓ2q final states at √s=13 TeV	2018	Journal of High Energy Physics	2018	9	101		30	10.1007/JHEP09(2018)101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053662303&doi=10.1007%2fJHEP09%282018%29101&partnerID=40&md5=20ce0f5b4597f89fdbf885eba749d7f2	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Mishra N.; Karan R.; Biswal B.; Singh H.P.	A model for the evolution of the neuronal network in kindled brain slices	2018	Physica A: Statistical Mechanics and its Applications	505			444	1	10.1016/j.physa.2018.03.098	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045115924&doi=10.1016%2fj.physa.2018.03.098&partnerID=40&md5=693f8e299c482ca8d90517d982a464ca	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3784371
Rana L.; Gupta R.; Kshetrimayum R.; Tomar M.; Gupta V.	Fabrication of surface acoustic wave based wireless NO2 gas sensor	2018	Surface and Coatings Technology	343			89	29	10.1016/j.surfcoat.2017.10.077	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033562531&doi=10.1016%2fj.surfcoat.2017.10.077&partnerID=40&md5=88df4dd525cd597c50e73ce6bfe3fd20	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	2578972
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for R-parity violating supersymmetry in pp collisions at s=13TeV using b jets in a final state with a single lepton, many jets, and high sum of large-radius jet masses	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	783			114	17	10.1016/j.physletb.2018.06.028	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049332917&doi=10.1016%2fj.physletb.2018.06.028&partnerID=40&md5=f463e76736b1f2df687afd484313f7ed	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at sNN =5.02 TeV	2018	Physical Review Letters	121	6	62002		33	10.1103/PhysRevLett.121.062002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052065307&doi=10.1103%2fPhysRevLett.121.062002&partnerID=40&md5=2ed1e38e51de42a422af7d962adf5b7c	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of angular parameters from the decay B0 → K∗0μ+μ− in proton–proton collisions at s=8TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	781			517	132	10.1016/j.physletb.2018.04.030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046377779&doi=10.1016%2fj.physletb.2018.04.030&partnerID=40&md5=b1598a54fa72d3a825aba1c652046a57	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Yadav K.; Prasad A.; Shrimali M.D.	Control of coexisting attractors via temporal feedback	2018	Physics Letters, Section A: General, Atomic and Solid State Physics	382	32		2127	27	10.1016/j.physleta.2018.05.041	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047530668&doi=10.1016%2fj.physleta.2018.05.041&partnerID=40&md5=d14e3701671a0d22725000050ede7cf0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3759601

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of charged particle spectra in minimum-bias events from proton–proton collisions at √s=13TeV	2018	European Physical Journal C	78	9	697		16	10.1140/epjc/s10052-018-6144-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052628288&doi=10.1140%2fepjc%2fs10052-018-6144-y&partnerID=40&md5=a18559e1ade6eb8a6e8a569acf575a62	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for vector-like T and B quark pairs in final states with leptons at √s=13 TeV	2018	Journal of High Energy Physics	2018	8	177		85	10.1007/JHEP08(2018)177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052839755&doi=10.1007%2fJHEP08%282018%29177&partnerID=40&md5=345d11d4457bbe330eff57cffa919df2	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Deb S.; Ngeow C.-C.; Kanbur S.M.; Singh H.P.; Wysocki D.; Kumar S.	Geometry of the Large Magellanic Cloud using multiwavelength photometry of classical Cepheids	2018	Monthly Notices of the Royal Astronomical Society	478	2		2526	10	10.1093/mnras/sty1124	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052494343&doi=10.1093%2fmnras%2fsty1124&partnerID=40&md5=f352690d163eab40b69c2b757a17c9f4	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sahare P.D.; Kumar S.; Kumar S.; Singh F.	n-ZnO/p-Si heterojunction nanodiodes based sensor for monitoring UV radiation	2018	Sensors and Actuators, A: Physical	279			351	20	10.1016/j.sna.2018.06.040	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049117345&doi=10.1016%2fj.sna.2018.06.040&partnerID=40&md5=3149f00ad925c1015e7aecd67dc8fd6d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9244247
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p+Pb Collisions at sNN =8.16 TeV	2018	Physical Review Letters	121	8	82301		71	10.1103/PhysRevLett.121.082301	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052837614&doi=10.1103%2fPhysRevLett.121.082301&partnerID=40&md5=2ad46f46a48e2d79e6539df169372c51	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Dastidar R.; Misra K.; Hosseinzadeh G.; Pastorello A.; Pumo M.L.; Valenti S.; McCully C.; Tomasella L.; Arcavi I.; Elias-Rosa N.; Singh M.; Gangopadhyay A.; Howell D.A.; Morales-Garoffolo A.; Zampieri L.; Kumar B.; Turatto M.; Benetti S.; Tartaglia L.; Ochner P.; Sahu D.K.; Anupama G.C.; Pandey S.B.	SN 2015ba: A Type IIP supernova with a long plateau	2018	Monthly Notices of the Royal Astronomical Society	479	2		2421	16	10.1093/MNRAS/STY1634	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055346772&doi=10.1093%2fMNRAS%2fSTY1634&partnerID=40&md5=72211701008e480d6352497257ba9c60	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Goel S.; Sinha N.; Hussain A.; Joseph A.J.; Yadav H.; Kumar B.	Sunset yellow dyed triglycine sulfate single crystals: enhanced thermal, mechanical, optical and di-/piezo-/ferro-/pyro-electric properties	2018	Journal of Materials Science: Materials in Electronics	29	16		13449	29	10.1007/s10854-018-9470-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048825586&doi=10.1007%2fs10854-018-9470-9&partnerID=40&md5=7ad6d3bbc3be33abcf593eeee5bc9142	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Saxena N.; Kumar P.; Gupta V.; Kanjilal D.	Radiation stability of CBD grown nanocrystalline CdS films against ion beam irradiation for solar cell applications	2018	Journal of Materials Science: Materials in Electronics	29	13		11013	5	10.1007/s10854-018-9183-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046039230&doi=10.1007%2fs10854-018-9183-0&partnerID=40&md5=0c41ee3c44910c2fad7dda3850c3ac9b	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	9	65		21	10.1007/JHEP09(2018)065	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053433287&doi=10.1007%2fJHEP09%282018%29065&partnerID=40&md5=62326f9f857000219dd790427638c473	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Bajpai K.K.; Sreenivas K.; Gupta A.K.; Shukla A.K.	Pyroelectric properties of (Ba1-xCdx)(Zr0.13Ti0.87)O3 ferroelectric ceramics in polymorphic state	2018	Ceramics International	44	12		14698	8	10.1016/j.ceramint.2018.05.097	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047089931&doi=10.1016%2fj.ceramint.2018.05.097&partnerID=40&md5=1299a6be3213ed1a3ed4095cf8b5b7f5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for excited quarks of light and heavy flavor in γ + jet final states in proton–proton collisions at s=13TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	781			390	9	10.1016/j.physletb.2018.04.007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045885808&doi=10.1016%2fj.physletb.2018.04.007&partnerID=40&md5=406d0a1069b1406d8da7f1dedb78f4a2	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton–proton collisions at s=13TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	782			440	98	10.1016/j.physletb.2018.05.062	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048134126&doi=10.1016%2fj.physletb.2018.05.062&partnerID=40&md5=3df195ca6381e8a2e8a2d669a42d3ad3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Mahajan R.; Behera B.R.; Thakur M.; Kaur G.; Sharma P.; Kapoor K.; Kumar A.; Sugathan P.; Jhingan A.; Chatterjee A.; Saneesh N.; Yadav A.; Dubey R.; Kumar N.; Singh H.; Saxena A.; Pal S.	Systematic study of Po 192,202,206,210 compound nuclei using neutron multiplicity as a probe	2018	Physical Review C	98	3	34601		12	10.1103/PhysRevC.98.034601	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053143610&doi=10.1103%2fPhysRevC.98.034601&partnerID=40&md5=01c5cd430e1965f58bf7322f1fb803e6	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at √s=13TeV	2018	European Physical Journal C	78	7	566		18	10.1140/epjc/s10052-018-6033-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049807958&doi=10.1140%2fepjc%2fs10052-018-6033-4&partnerID=40&md5=4b82202ec4da040b1b28c0732a34b359	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Rahul; Singh P.K.; Parvaz M.; Ahmed S.; Sonker R.K.; Bhattacharya B.; Khan Z.H.	Less toxic tin incorporated perovskite solar cell using polymer electrolyte processed in the air	2018	Optik	169			166	18	10.1016/j.ijleo.2018.05.064	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047256500&doi=10.1016%2fj.ijleo.2018.05.064&partnerID=40&md5=150643eba29857c1652e62a8ebf9e8c1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier GmbH	304026
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Zγ resonances using leptonic and hadronic final states in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	9	148		38	10.1007/JHEP09(2018)148	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054193886&doi=10.1007%2fJHEP09%282018%29148&partnerID=40&md5=ded79338f05e94406b86bb916b2469d3	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	7	32		20	10.1007/JHEP07(2018)032	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049558565&doi=10.1007%2fJHEP07%282018%29032&partnerID=40&md5=bbb81ff62dc6e470a169bff0842aace5	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Kumar A.	Higgs Boson Measurements in CMS with Run II Data	2018	Few-Body Systems	59	5	97		0	10.1007/s00601-018-1420-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048350758&doi=10.1007%2fs00601-018-1420-9&partnerID=40&md5=73be5423c7557e07f738e5b3739c21f8	Department of Physics and Astrophysics, University of Delhi	Springer-Verlag Wien	1777963
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of differential cross sections for the production of top quark pairs and of additional jets in lepton + jets events from p p collisions at s = 13 TeV	2018	Physical Review D	97	11	112003		70	10.1103/PhysRevD.97.112003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050386361&doi=10.1103%2fPhysRevD.97.112003&partnerID=40&md5=ff21dcfb8ddb6323c1af3ab802c0d14e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kamal V.; Kumar S.; Kulshreshtha U.; Kulshreshtha D.S.	Wormholes in a Theory of Scalar Phantom Field	2018	Few-Body Systems	59	4	70		0	10.1007/s00601-018-1392-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046697549&doi=10.1007%2fs00601-018-1392-9&partnerID=40&md5=04d6ea26dd83ef902be001a0ac10d910	Department of Physics and Astrophysics, University of Delhi, ...	Springer-Verlag Wien	1777963
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV	2018	Journal of High Energy Physics	2018	8	152		46	10.1007/JHEP08(2018)152	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052374035&doi=10.1007%2fJHEP08%282018%29152&partnerID=40&md5=88c60e8009c0d1ba072c2c11171236f9	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Choudhury D.; Kundu A.; Mandal R.; Sinha R.	RK and R(D(∗)) anomalies resolved with lepton mixing	2018	Nuclear Physics B	933			433	15	10.1016/j.nuclphysb.2018.06.022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049314913&doi=10.1016%2fj.nuclphysb.2018.06.022&partnerID=40&md5=ec1120ee012049852ef3ae67ca89a4d4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	5503213
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for additional neutral MSSM Higgs bosons in the τ τ final state in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	9	7		125	10.1007/JHEP09(2018)007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053005504&doi=10.1007%2fJHEP09%282018%29007&partnerID=40&md5=a10a284154da65bb8b085e9766a27926	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Punetha N.; Varshney V.; Sahoo S.; Saxena G.; Prasad A.; Ramaswamy R.	Dynamical effects of breaking rotational symmetry in counter-rotating Stuart-Landau oscillators	2018	Physical Review E	98	2	22212		11	10.1103/PhysRevE.98.022212	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052387504&doi=10.1103%2fPhysRevE.98.022212&partnerID=40&md5=9ac641783aadb3505efd5696ca443e6f	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700045
Sarin N.; Mishra M.; Gupta G.; Arora M.; Luthra V.	Deciphering the Role of Oxygen Vacancies on Structural, Electrical, and Magnetic Properties of Fe-Substituted Strontium Titanate	2018	Physica Status Solidi (B) Basic Research	255	8	1700683		4	10.1002/pssb.201700683	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046474267&doi=10.1002%2fpssb.201700683&partnerID=40&md5=60ab9a7c58e8d5cb6879801494796356	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-VCH Verlag	3701972
Goyal R.; Gupta R.; Negi A.; Asokan K.; Kanjilal D.; Lamba S.; Annapoorni S.	Modelling of Pinning-Depinning Reversal Mechanism in Ion-Irradiated Co/Al2O3 Thin Films	2018	Physica Status Solidi (A) Applications and Materials Science	215	14	1800141		1	10.1002/pssa.201800141	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050508400&doi=10.1002%2fpssa.201800141&partnerID=40&md5=006b985457d67c575eee7b03fae4e5c5	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-VCH Verlag	18626300
Dhingra M.; Gupta R.; Annapoorni S.	Defect Induced Ferromagnetism in Zn/ZnO Interfaces	2018	Crystal Research and Technology	53	7	1700293		1	10.1002/crat.201700293	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046484360&doi=10.1002%2fcrat.201700293&partnerID=40&md5=eef967bb5d114a750a71ba38a2120ba5	Department of Physics and Astrophysics, University of Delhi	Wiley-VCH Verlag	2321300

Sonker R.K.; Sikarwar S.; Sabhajeet S.R.; Rahul; Yadav B.C.	Spherical growth of nanostructures ZnO based optical sensing and photovoltaic application	2018	Optical Materials	83			342	30	10.1016/j.optmat.2018.06.046	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049039327&doi=10.1016%2fj.optmat.2018.06.046&partnerID=40&md5=a1860baf729bd72ccf1336f27d0e7207	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9253467
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	8	11		70	10.1007/JHEP08(2018)011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052077161&doi=10.1007%2fJHEP08%282018%29011&partnerID=40&md5=d9bdf7dfa209bf788199c72a50408d42	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Kumarasamy S.; Pisarchik A.N.	Extreme events in systems with discontinuous boundaries	2018	Physical Review E	98	3	32203		34	10.1103/PhysRevE.98.032203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053130361&doi=10.1103%2fPhysRevE.98.032203&partnerID=40&md5=723e604093d714856beb4f106bbdfc34	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700045
Saini P.; Singh M.; Singh S.P.; Mahapatro A.K.	Spectroscopic and electronic properties of polyallylamine functionalized graphene oxide films	2018	Vacuum	154			110	10	10.1016/j.vacuum.2018.04.056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046824137&doi=10.1016%2fj.vacuum.2018.04.056&partnerID=40&md5=c24577939643b4f0619e3e91c78a63a6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new physics in dijet angular distributions using proton–proton collisions at √s=13TeV and constraints on dark matter and other models	2018	European Physical Journal C	78	9	789		42	10.1140/epjc/s10052-018-6242-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053928588&doi=10.1140%2fepjc%2fs10052-018-6242-x&partnerID=40&md5=b2e92dffe068bae22e887647f9380cad	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at s=13 TeV	2018	Journal of Instrumentation	13	6	P06015		251	10.1088/1748-0221/13/06/P06015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049260454&doi=10.1088%2f1748-0221%2f13%2f06%2fP06015&partnerID=40&md5=959f0b031114650787e68afb3bb45c81	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	17480221
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum to: Measurement of b hadron lifetimes in pp collisions at √ s=8 Tev (The European Physical Journal C, (2018), 78, 6, (457), 10.1140/epjc/s10052-018-5929-3)	2018	European Physical Journal C	78	7	561		5	10.1140/epjc/s10052-018-6014-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049809219&doi=10.1140%2fepjc%2fs10052-018-6014-7&partnerID=40&md5=94cd583c41f0900ba1a93cced267e481	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Munjal D.; Silotia P.; Prasad V.	Erratum: Spectra of confined positronium (Physics of Plasmas (2017) 24 (122118) DOI: 10.1063/1.5008949)	2018	Physics of Plasmas	25	7	79901		0	10.1063/1.5048050	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050765902&doi=10.1063%2f1.5048050&partnerID=40&md5=a3ef02626b39a5268c1277f1dc532f07	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the weak mixing angle using the forward–backward asymmetry of Drell–Yan events in p p collisions at 8 TeV	2018	European Physical Journal C	78	9	701		74	10.1140/epjc/s10052-018-6148-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052621603&doi=10.1140%2fepjc%2fs10052-018-6148-7&partnerID=40&md5=ca20f927969503d0b38062bcbf06a43e	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for narrow and broad dijet resonances in proton-proton collisions at √s=13 TeV and constraints on dark matter mediators and other new particles	2018	Journal of High Energy Physics	2018	8	130		142	10.1007/JHEP08(2018)130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052611303&doi=10.1007%2fJHEP08%282018%29130&partnerID=40&md5=91d16ec41c7246fee5f3c5c9d671743a	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Goel S.; Sinha N.; Yadav H.; Joseph A.J.; Kumar B.	2D porous nanosheets of Y-doped ZnO for dielectric and ferroelectric applications	2018	Journal of Materials Science: Materials in Electronics	29	16		13818	29	10.1007/s10854-018-9513-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048874635&doi=10.1007%2fs10854-018-9513-2&partnerID=40&md5=df6119e578b1b3456b5fe595ef132df3	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Tumram P.; Sahare P.D.; Moharil S.V.	KCl.SrCl2:Eu2+,Nd3+ phosphor for possible application in solar photovoltaics	2018	Journal of Luminescence	199			78	8	10.1016/j.jlumin.2018.03.015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043980829&doi=10.1016%2fj.jlumin.2018.03.015&partnerID=40&md5=05be7a9d90ed3f523c49f028cd2b7c8a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	222313
Premraj D.; Suresh K.; Banerjee T.; Thamilmaran K.	Bifurcation delay in a network of locally coupled slow-fast systems	2018	Physical Review E	98	2	22206		16	10.1103/PhysRevE.98.022206	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051170643&doi=10.1103%2fPhysRevE.98.022206&partnerID=40&md5=cd1dd6b8fd337a8be44891a9a18ffcdd	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700045
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of Higgs Boson Decay to Bottom Quarks	2018	Physical Review Letters	121	12	121801		238	10.1103/PhysRevLett.121.121801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054036077&doi=10.1103%2fPhysRevLett.121.121801&partnerID=40&md5=8ca17e2d4497a133170ccc1a3d3805ee	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the Z / γ∗→ ττ cross section in pp collisions at √s=13TeV and validation of τ lepton analysis techniques	2018	European Physical Journal C	78	9	708		8	10.1140/epjc/s10052-018-6146-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052730497&doi=10.1140%2fepjc%2fs10052-018-6146-9&partnerID=40&md5=bb0fadbf3d501d2e6da2337456369947	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ leptons at √s=13 TeV	2018	Journal of High Energy Physics	2018	8	66		48	10.1007/JHEP08(2018)066	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051840032&doi=10.1007%2fJHEP08%282018%29066&partnerID=40&md5=0992d040eb022fcee70060448d8dd83e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new long-lived particles at s=13 TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	780			432	37	10.1016/j.physletb.2018.03.019	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044742741&doi=10.1016%2fj.physletb.2018.03.019&partnerID=40&md5=79f69d3f86ced15572e3cd63f0ed64f1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Vhanmore B.D.; Patil S.D.; Valkunde A.T.; Urunkar T.U.; Gavade K.M.; Takale M.V.; Gupta D.N.	Effect of q-parameter on relativistic self-focusing of q-Gaussian laser beam in plasma	2018	Optik	158			574	16	10.1016/j.ijleo.2017.12.182	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039945408&doi=10.1016%2fj.ijleo.2017.12.182&partnerID=40&md5=90ae78ee20af8d59fa62cd7a5432b656	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier GmbH	304026
Das D.	Model independent new physics analysis in Λ b→ Λ μ+μ-decay	2018	European Physical Journal C	78	3	230		26	10.1140/epjc/s10052-018-5731-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044328490&doi=10.1140%2fepjc%2fs10052-018-5731-2&partnerID=40&md5=750dd09963d7757b6361bdfe2122c871	Department of Physics and Astrophysics, University of Delhi	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton–proton collisions at s=13TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	780			384	10	10.1016/j.physletb.2018.03.028	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044100623&doi=10.1016%2fj.physletb.2018.03.028&partnerID=40&md5=e8d02abb33d6e7e8d859aca25bf0cd63	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for natural and split supersymmetry in proton-proton collisions at √s=13 TeV in final states with jets and missing transverse momentum	2018	Journal of High Energy Physics	2018	5	25		70	10.1007/JHEP05(2018)025	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047375913&doi=10.1007%2fJHEP05%282018%29025&partnerID=40&md5=648c593232ba12242096c85c60781aa6	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Camargo-Molina J.E.; Mandal T.; Pasechnik R.; Wessén J.	Heavy charged scalars from $c\bar{s}$ fusion: a generic search strategy applied to a 3HDM with U(1) × U(1) family symmetry	2018	Journal of High Energy Physics	2018	3	24		7	10.1007/JHEP03(2018)024	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043359982&doi=10.1007%2fJHEP03%282018%29024&partnerID=40&md5=76e9e072b31571c2950d6335831bc0ae	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for lepton flavour violating decays of the Higgs boson to μτ and eτ in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	6	1		46	10.1007/JHEP06(2018)001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048102976&doi=10.1007%2fJHEP06%282018%29001&partnerID=40&md5=29f1893a37e260fff0fdfbf711fc5db3	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Pragati; Deo A.Y.; Tandel S.K.; Bhattacharjee S.S.; Chakraborty S.; Rai S.; Wahid S.G.; Kumar S.; Muralithar S.; Singh R.P.; Bala I.; Garg R.; Jain A.K.	Parity doublet structures in doubly-odd Fr 216	2018	Physical Review C	97	4	44309		10	10.1103/PhysRevC.97.044309	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045405872&doi=10.1103%2fPhysRevC.97.044309&partnerID=40&md5=6ed884f78d985a0a199dfed6a6263612	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of associated Z + charm production in proton–proton collisions at √s=8TeV	2018	European Physical Journal C	78	4	287		15	10.1140/epjc/s10052-018-5752-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045152797&doi=10.1140%2fepjc%2fs10052-018-5752-x&partnerID=40&md5=259984dcab3bfd16590e0b0080a20fd8	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Paul G.C.; Saha A.; Das S.	Spin-selective coupling to Majorana zero modes in mixed singlet and triplet superconducting nanowires	2018	Physical Review B	97	20	205446		2	10.1103/PhysRevB.97.205446	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048226543&doi=10.1103%2fPhysRevB.97.205446&partnerID=40&md5=d99b4c7afcfb34576ae3c425d5a29c5d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699950
Vyas M.K.; Chandra A.	Role of organic/inorganic salts and nanofillers in polymer nanocomposites: enhanced conduction, rheological, and thermal properties	2018	Journal of Materials Science	53	7		4987	14	10.1007/s10853-017-1912-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85038075382&doi=10.1007%2fs10853-017-1912-x&partnerID=40&md5=51aca584d0faaab4d554b6b6e4827c5c	Department of Physics and Astrophysics, University of Delhi	Springer New York LLC	222461
Hussain A.; Sinha N.; Dhankhar K.; Joseph A.J.; Kumar B.	Giant piezoelectric behavior in relaxor ferroelectric environment friendly Na0.52K0.44Li0.04Nb0.84Ta0.10Sb0.06O3 ceramics for high temperature applications	2018	Journal of Materials Science: Materials in Electronics	29	8		6403	15	10.1007/s10854-018-8620-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040795505&doi=10.1007%2fs10854-018-8620-4&partnerID=40&md5=514ad4969263a71a3cd09d2c6c7b5edf	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to eμ final states in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	4	73		11	10.1007/JHEP04(2018)073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047186632&doi=10.1007%2fJHEP04%282018%29073&partnerID=40&md5=9bf36ea934f4d9ea356cb32e3981efa7	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Thakur M.; Behera B.R.; Mahajan R.; Saneesh N.; Kaur G.; Sharma P.; Dubey R.; Kapoor K.; Yadav A.; Kumar N.; Kumar S.; Rani K.; Sugathan P.; Jhingan A.; Chatterjee A.; Chatterjee M.B.; Mandal S.; Saxena A.; Pal S.; Kailas S.	Fission dynamics studies of near super-heavy compound nucleus 256Rf	2018	Acta Physica Polonica B	49	3		631	0	10.5506/APhysPolB.49.631	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044870496&doi=10.5506%2fAPhysPolB.49.631&partnerID=40&md5=be1823c306abc6fa99c989dc79ef1f95	Department of Physics and Astrophysics, University of Delhi, ...	Jagellonian University	5874254
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for high-mass resonances in dilepton final states in proton-proton collisions at √s = 13 TeV	2018	Journal of High Energy Physics	2018	6	120	1	123	10.1007/JHEP06(2018)120	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064718907&doi=10.1007%2fJHEP06%282018%29120&partnerID=40&md5=1a6d45e0bd5641dc30eca27052974dce	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson	2018	Journal of High Energy Physics	2018	6	31		30	10.1007/JHEP06(2018)031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048370944&doi=10.1007%2fJHEP06%282018%29031&partnerID=40&md5=85550895fa7ad8f4ebf95ab83ae20e37	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Evidence for the Higgs boson decay to a bottom quark–antiquark pair	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	780			501	90	10.1016/j.physletb.2018.02.050	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044790152&doi=10.1016%2fj.physletb.2018.02.050&partnerID=40&md5=f0e50a58668c134b883bd9b2e10c5bc8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sinha N.; Goel S.; Joseph A.J.; Yadav H.; Batra K.; Gupta M.K.; Kumar B.	Y-doped ZnO nanosheets: Gigantic piezoelectric response for an ultra-sensitive flexible piezoelectric nanogenerator	2018	Ceramics International	44	7		8582	86	10.1016/j.ceramint.2018.02.066	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041925996&doi=10.1016%2fj.ceramint.2018.02.066&partnerID=40&md5=4a48897d680f0c251b3fe59056b852f8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Kunj S.; Sreenivas K.	Defect mediated ferromagnetism in cluster free Zn1−xNixO nanopowders prepared by combustion method	2018	Journal of Industrial and Engineering Chemistry	60			151	10	10.1016/j.jiec.2017.10.051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033777865&doi=10.1016%2fj.jiec.2017.10.051&partnerID=40&md5=03691ad81ddc652468f0a30a885790f4	Department of Physics and Astrophysics, University of Delhi	Korean Society of Industrial Engineering Chemistry	1226086X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at s =13 TeV	2018	Physical Review Letters	120	22	221801		159	10.1103/PhysRevLett.120.221801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047731035&doi=10.1103%2fPhysRevLett.120.221801&partnerID=40&md5=f826799f4b184cbeb269e9918dbace6e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Borkar H.; Rao V.; Tomar M.; Gupta V.; Kumar A.	Near room temperature bismuth and lithium co-substituted BaTiO3 relaxor ferroelectrics family	2018	Journal of Alloys and Compounds	737			821	18	10.1016/j.jallcom.2017.12.170	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85038829755&doi=10.1016%2fj.jallcom.2017.12.170&partnerID=40&md5=58cd6f555fced451e8c206aea9d36282	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for high-mass resonances in final states with a lepton and missing transverse momentum at √s=13 TeV	2018	Journal of High Energy Physics	2018	6	128		36	10.1007/JHEP06(2018)128	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049237006&doi=10.1007%2fJHEP06%282018%29128&partnerID=40&md5=87bf2858c0d46413bffd223f4207ad9b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Gupta R.; Rana L.; Tomar M.; Gupta V.	Characterization of Lead Zirconium Titanate thin films based multifunctional energy harvesters	2018	Thin Solid Films	652			39	8	10.1016/j.tsf.2017.10.036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032171937&doi=10.1016%2fj.tsf.2017.10.036&partnerID=40&md5=69c8ec1366546f96b80accaef27e1fe3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	406090
Sehdev N.; Medwal R.; Malik R.; Kandasami A.; Kanjilal D.; Annapoorni S.	Thermal annealing and transient electronic excitations induced interfacial and magnetic effects on Pt/Co/Pt trilayer	2018	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	420			50	2	10.1016/j.nimb.2018.02.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041904429&doi=10.1016%2fj.nimb.2018.02.003&partnerID=40&md5=06d6176de5804bf5c449138b4a47f312	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	0168583X
Kaur M.; Kaur G.; Jain A.K.; Mohan H.; Singh P.S.; Sharma S.; Baluja K.L.	Scattering cross sections for collisions of electrons with tetrahedral molecules in the energy range 0.1-100 eV: C H4, Si H4, and Ge H4	2018	Physical Review A	97	5	52711		8	10.1103/PhysRevA.97.052711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048239842&doi=10.1103%2fPhysRevA.97.052711&partnerID=40&md5=e02e75ac9bf01fef6276c7232639a67d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699926
Kulshreshtha U.; Kulshreshtha D.S.; Vary J.	Instant-Form and Light-Front Quantization of Field Theories	2018	Few-Body Systems	59	3	20		0	10.1007/s00601-018-1336-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043258506&doi=10.1007%2fs00601-018-1336-4&partnerID=40&md5=dca3a9fe6a1761cb567450ef814a6770	Department of Physics and Astrophysics, University of Delhi, ...	Springer-Verlag Wien	1777963
Mangla O.; Roy S.; Annapoorni S.; Asokan K.	Annealing of deep level defects in GaAs nanostructures by ion beam irradiation	2018	Materials Letters	217			231	1	10.1016/j.matlet.2018.01.091	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041404511&doi=10.1016%2fj.matlet.2018.01.091&partnerID=40&md5=ed52aedfa5c7bc44c88a03904440bf77	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	0167577X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at √s=13 TeV	2018	Journal of High Energy Physics	2018	6	27		34	10.1007/JHEP06(2018)027	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048250913&doi=10.1007%2fJHEP06%282018%29027&partnerID=40&md5=912c4746fcfa784de2d55e7cdfcae732	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of differential cross sections in the kinematic angular variable ϕ * for inclusive Z boson production in pp collisions at √s=8 TeV	2018	Journal of High Energy Physics	2018	3	172		17	10.1007/JHEP03(2018)172	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045091334&doi=10.1007%2fJHEP03%282018%29172&partnerID=40&md5=682c6198e40643778e352bed50104120	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at √s=7TeV	2018	European Physical Journal C	78	3	242		15	10.1140/epjc/s10052-018-5691-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044372943&doi=10.1140%2fepjc%2fs10052-018-5691-6&partnerID=40&md5=7f52cbe6bb90d7272ff2a0688eb96ebc	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Kaur M.; Gupta D.N.	Electron energy optimization by plasma density ramp in laser wakefield acceleration in bubble regime	2018	Laser and Particle Beams	36	2		195	1	10.1017/S0263034618000162	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052639718&doi=10.1017%2fS0263034618000162&partnerID=40&md5=e7a249d40e7145df08fde424ddfdb6e9	Department of Physics and Astrophysics, University of Delhi	Cambridge University Press	2630346
Sangwan K.M.; Ahlawat N.; Kundu R.S.; Rani S.; Rani S.; Ahlawat N.; Murugavel S.	Improved dielectric and ferroelectric properties of Mn doped barium zirconium titanate (BZT) ceramics for energy storage applications	2018	Journal of Physics and Chemistry of Solids	117			158	43	10.1016/j.jpcs.2018.01.051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042356835&doi=10.1016%2fj.jpcs.2018.01.051&partnerID=40&md5=8c9224d536ba419932439314db6ceb0f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697

Kaur G.; Behera B.R.; Jhingan A.; Dubey R.; Banerjee T.; Thakur M.; Mahajan R.; Sharma P.; Khushboo; Saneesh N.; Yadav A.; Kapoor K.; Kumar N.; Rani K.; Sugathan P.; Rowley N.	Quasi-Elastic scattering in the 48Ti+232Th reaction	2018	Acta Physica Polonica B	49	3		651	3	10.5506/APhysPolB.49.651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044853276&doi=10.5506%2fAPhysPolB.49.651&partnerID=40&md5=aabae43871825ed2db4a4324dfe9e185	Department of Physics and Astrophysics, University of Delhi, ...	Jagellonian University	5874254
Vyas A.; Joshi C.P.; Sahare P.D.; Moharil S.V.	NIR emission in Ba2SiO4:Eu2+, Nd3+ phosphors with near UV/violet excitation	2018	Journal of Alloys and Compounds	743			789	15	10.1016/j.jallcom.2018.01.127	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041497853&doi=10.1016%2fj.jallcom.2018.01.127&partnerID=40&md5=6f6646e009dd3579cec1e1246c77b931	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Mahajan R.; Behera B.R.; Thakur M.; Kaur G.; Sharma P.; Kapoor K.; Sugathan P.; Jhingan A.; Chatterjeeb A.; Saneesh N.; Dubey R.; Yadav A.; Kumar N.; Singh H.; Kumar A.; Saxena A.; Pal S.	Fission dynamics of 192;202;206;210Po compound nuclei by neutron multiplicity measurements	2018	Acta Physica Polonica B	49	3		645	0	10.5506/APhysPolB.49.645	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044854520&doi=10.5506%2fAPhysPolB.49.645&partnerID=40&md5=678bd52412d7d5bb625747a855d27659	Department of Physics and Astrophysics, University of Delhi, ...	Jagellonian University	5874254
Bangruwa J.S.; Vashisth B.K.; Singh N.; Singh N.; Verma V.	A systematic study of structural, magnetic and electric properties of perovskite-spinel composites prepared by sol-gel technique	2018	Journal of Alloys and Compounds	739			319	12	10.1016/j.jallcom.2017.12.281	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039703063&doi=10.1016%2fj.jallcom.2017.12.281&partnerID=40&md5=9eb15e8b6947c82e04ab19c4ad6baee3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton–proton collisions at s=13TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	781			244	57	10.1016/j.physletb.2018.03.084	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045217818&doi=10.1016%2fj.physletb.2018.03.084&partnerID=40&md5=b8ac3d6956f0537f50e91fca7dbf9045	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the X (5568) State Decaying into Bs0 π± in Proton-Proton Collisions at s =8 TeV	2018	Physical Review Letters	120	20	202005		62	10.1103/PhysRevLett.120.202005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047817215&doi=10.1103%2fPhysRevLett.120.202005&partnerID=40&md5=afc453224720feea7b6e5f1af78da51e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Shah A.; Ahmed A.; Gola M.; Sharma R.K.; Malhotra S.; Kumar A.; Naimuddin M.; Menon P.; Srinivasan K.	Development, characterization and qualification of first GEM foils produced in India	2018	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	892			10	5	10.1016/j.nima.2018.02.078	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043253064&doi=10.1016%2fj.nima.2018.02.078&partnerID=40&md5=227a2948f00e7f2e22f5afab1f4e5853	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Rana K.; Thakur P.; Tomar M.; Gupta V.; Thakur A.	Investigation of cobalt substituted M-type barium ferrite synthesized via co-precipitation method for radar absorbing material in Ku-band (12–18 GHz)	2018	Ceramics International	44	6		6370	71	10.1016/j.ceramint.2018.01.028	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040343817&doi=10.1016%2fj.ceramint.2018.01.028&partnerID=40&md5=342bce56e0e7849f141634f58881332e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Singh K.; Chattopadhyay I.	Study of magnetized accretion flow with variable Γ equation of state	2018	Monthly Notices of the Royal Astronomical Society	476	3		4123	5	10.1093/mnras/sty404	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052234339&doi=10.1093%2fmnras%2fsty404&partnerID=40&md5=fe3543915ce7d04518f75d6e09daa5b1	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711

Kaur G.; Tomar M.; Gupta V.	Development of a microfluidic electrochemical biosensor: Prospect for point-of-care cholesterol monitoring	2018	Sensors and Actuators, B: Chemical	261			460	64	10.1016/j.snb.2018.01.144	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041686985&doi=10.1016%2fj.snb.2018.01.144&partnerID=40&md5=78f49a0c7e8ee49c8080cd6decfaa0e6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9254005
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Narrow Resonances in the b -Tagged Dijet Mass Spectrum in Proton-Proton Collisions at s =8 TeV	2018	Physical Review Letters	120	20	201801		39	10.1103/PhysRevLett.120.201801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047383489&doi=10.1103%2fPhysRevLett.120.201801&partnerID=40&md5=d121ac33c2bfa2a19a19709c1b1be161	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Puri N.; Tandon R.P.; Mahapatro A.K.	Fully dense hot pressed calcium cobalt oxide ceramics	2018	Ceramics International	44	6		6337	11	10.1016/j.ceramint.2018.01.024	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040355881&doi=10.1016%2fj.ceramint.2018.01.024&partnerID=40&md5=ee3aebf00c6f83e539014961391e2e7f	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	2728842
Banerjee A.; Abhilash S.R.; Umapathy G.R.; Kabiraj D.; Ojha S.; Mandal S.	Material engineering to fabricate rare earth erbium thin films for exploring nuclear energy sources	2018	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	887			34	6	10.1016/j.nima.2018.01.013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041384969&doi=10.1016%2fj.nima.2018.01.013&partnerID=40&md5=69bca21b1d432c9425c6a989bfeecc03	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Sharma M.; Murugavel S.; Shukla D.K.; De Groot F.M.F.	Reversal in the Lattice Contraction of α-Fe2O3 Nanoparticles	2018	Journal of Physical Chemistry C	122	17		9292	20	10.1021/acs.jpcc.8b00550	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046663946&doi=10.1021%2facs.jpcc.8b00550&partnerID=40&md5=6901ebb2a82240a8263edab179a0ce0d	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	19327447
Kumar P.; Vedeshwar A.G.	Mapping the conduction band edge density of states of γ-In2Se3 by diffuse reflectance spectra	2018	Journal of Applied Physics	123	12	125107		6	10.1063/1.5019809	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044742187&doi=10.1063%2f1.5019809&partnerID=40&md5=f131e8c01424e1c52dbf8e3f805b4886	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	218979
Medwal R.; Gautam S.; Gupta S.; Chae K.H.; Asokan K.; Deen G.R.; Rawat R.S.; Katiyar R.S.; Annapoorni S.	Self-Stabilized Carbon-L10 FePt Nanoparticles for Heated Dot Recording Media	2018	IEEE Magnetics Letters	9		5504105		4	10.1109/LMAG.2018.2840990	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047608451&doi=10.1109%2fLMAG.2018.2840990&partnerID=40&md5=0a8a81f3aa1cccd17a24eca5f06006ab	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	1949307X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton–proton collisions at √s = 13 TeV	2018	European Physical Journal C	78	4	291		37	10.1140/epjc/s10052-018-5740-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045383833&doi=10.1140%2fepjc%2fs10052-018-5740-1&partnerID=40&md5=9e59302f947d9d0def8601650c5591a8	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV	2018	Journal of Instrumentation	13	5	P05011		369	10.1088/1748-0221/13/05/P05011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047881197&doi=10.1088%2f1748-0221%2f13%2f05%2fP05011&partnerID=40&md5=4131e7cab0a0744af9bc2ba735f4d207	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	17480221
Chandel S.; Thakur P.; Thakur S.S.; Kanwar V.; Tomar M.; Gupta V.; Thakur A.	Effect of non-magnetic Al3+ doping on structural, optical, electrical, dielectric and magnetic properties of BiFeO3 ceramics	2018	Ceramics International	44	5		4711	35	10.1016/j.ceramint.2017.12.053	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039071874&doi=10.1016%2fj.ceramint.2017.12.053&partnerID=40&md5=a2ffa2c72ec7269372d87e34d92be993	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842

Gupta D.; Song M.-Y.; Baluja K.L.; Choi H.; Yoon J.-S.	Electron impact elastic and excitation cross-sections of the isomers of C4F6 molecule for plasma modeling	2018	Physics of Plasmas	25	6	63504		7	10.1063/1.5037959	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048048001&doi=10.1063%2f1.5037959&partnerID=40&md5=f69bfe4b8e9fbe3b78f98aa2d3bea3b9	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Rana L.; Gupta R.; Tomar M.; Gupta V.	Highly sensitive Love wave acoustic biosensor for uric acid	2018	Sensors and Actuators, B: Chemical	261			169	50	10.1016/j.snb.2018.01.122	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041388242&doi=10.1016%2fj.snb.2018.01.122&partnerID=40&md5=ef219970b27cad7626a71365d24eab0d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9254005
Rajput J.; Severt T.; Berry B.; Jochim B.; Feizollah P.; Kaderiya B.; Zohrabi M.; Ablikim U.; Ziaee F.; Raju K.P.; Rolles D.; Rudenko A.; Carnes K.D.; Esry B.D.; Ben-Itzhak I.	Native Frames: Disentangling Sequential from Concerted Three-Body Fragmentation	2018	Physical Review Letters	120	10	103001		51	10.1103/PhysRevLett.120.103001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043694166&doi=10.1103%2fPhysRevLett.120.103001&partnerID=40&md5=872263771592360a2bb95dc8fbe5be05	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the inclusive t t ¯ cross section in pp collisions at √s=5.02 TeV using final states with at least one charged lepton	2018	Journal of High Energy Physics	2018	3	115		34	10.1007/JHEP03(2018)115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044283056&doi=10.1007%2fJHEP03%282018%29115&partnerID=40&md5=89f83b67a82b522f8db4123dff90907d	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	3	160		105	10.1007/JHEP03(2018)160	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045087730&doi=10.1007%2fJHEP03%282018%29160&partnerID=40&md5=0e398ed19a48f1005f4b92c4b0e81c23	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Bhatia D.; Maitra U.; Niyogi S.	Discovery prospects of a light Higgs boson at the LHC in type-I 2HDM	2018	Physical Review D	97	5	52010		4	10.1103/PhysRevD.97.055027	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044850060&doi=10.1103%2fPhysRevD.97.055027&partnerID=40&md5=0f636466a409d30afd7e8939103342e8	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at s =13 TeV	2018	Physical Review D	97	9	92005		147	10.1103/PhysRevD.97.092005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048276440&doi=10.1103%2fPhysRevD.97.092005&partnerID=40&md5=3b206bc9124daeaad3b787f1c33660733	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for pair production of excited top quarks in the lepton + jets final state	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	778			349	16	10.1016/j.physletb.2018.01.049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046008435&doi=10.1016%2fj.physletb.2018.01.049&partnerID=40&md5=f9a80508f80e7221ab4d4966239ad2dd	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for pair production of vector-like quarks in the bWb¯W channel from proton–proton collisions at s=13TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	779			82	70	10.1016/j.physletb.2018.01.077	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047566165&doi=10.1016%2fj.physletb.2018.01.077&partnerID=40&md5=185e36a215a09668d60f15e26aff6e48	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum to: Measurements of the Z→4ℓ branching fraction, and constraints on anomalous triple gauge couplings at s=13TeV (The European Physical Journal C, (2018), 78, 2, (165), 10.1140/epjc/s10052-018-5567-9)	2018	European Physical Journal C	78	6	515		4	10.1140/epjc/s10052-018-5769-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049344025&doi=10.1140%2fepjc%2fs10052-018-5769-1&partnerID=40&md5=d81a499c27bc86524a980ba2ddf56b2a	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Kuznetsov N.V.; Leonov G.A.; Mokaev T.N.; Prasad A.; Shrimali M.D.	Finite-time Lyapunov dimension and hidden attractor of the Rabinovich system	2018	Nonlinear Dynamics	92	2		267	127	10.1007/s11071-018-4054-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044536815&doi=10.1007%2fs11071-018-4054-z&partnerID=40&md5=358ed1759e570650194ce5f68e94511c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Netherlands	0924090X
Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Banerjee P.; Ganguly S.; Kumar S.; Kumar A.; Kumar A.; Singh R.P.; Muralithar S.	Negative parity three-quasiparticle band in 127I	2018	European Physical Journal A	54	6	112		9	10.1140/epja/i2018-12540-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049311801&doi=10.1140%2fepja%2fi2018-12540-4&partnerID=40&md5=b57386d2528fc393fbfce9d7d6aa3bfd	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346001
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	5	127		52	10.1007/JHEP05(2018)127	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047658971&doi=10.1007%2fJHEP05%282018%29127&partnerID=40&md5=dc538f9de44f746abe5b1721ce16aee6	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Srivastava N.; Srivastava M.; Gupta V.K.; Manikanta A.; Mishra K.; Singh S.; Singh S.; Ramteke P.W.; Mishra P.K.	Recent development on sustainable biodiesel production using sewage sludge	2018	3 Biotech	8	5	245		31	10.1007/s13205-018-1264-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046629081&doi=10.1007%2fs13205-018-1264-5&partnerID=40&md5=2a223454cef9063a88d74083d2a36a46	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	2190572X
Sharma R.; Subramanian K.; Seshadri T.R.	Generation of helical magnetic field in a viable scenario of inflationary magnetogenesis	2018	Physical Review D	97	8	83503		39	10.1103/PhysRevD.97.083503	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047274463&doi=10.1103%2fPhysRevD.97.083503&partnerID=40&md5=6f1f3be9f9c66a3ed015cea41284fca6	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of quarkonium production cross sections in pp collisions at s=13TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	780			251	46	10.1016/j.physletb.2018.02.033	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043473570&doi=10.1016%2fj.physletb.2018.02.033&partnerID=40&md5=76003bcdbcfc39718acdd0aefe9db4bd	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Dutta S.; Saxena M.; Kumar R.; Jhingan A.; Agarwal A.; Banerjee A.; Bhowmik R.K.; Joshi C.; Kaur J.; Kumar A.; Matejska-Minda M.; Mishra V.; Rizvi I.A.; Stolarz A.; Wollersheim H.J.; Napiorkowski P.J.	Re-measurement of reduced transition probabilities in 132ba	2018	Acta Physica Polonica B	49	3		535	3	10.5506/APhysPolB.49.535	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044858755&doi=10.5506%2fAPhysPolB.49.535&partnerID=40&md5=8034ce84c90af4d851188047567c82cf	Department of Physics and Astrophysics, University of Delhi, ...	Jagellonian University	5874254
Kumar B.	Reply to comment on the paper “Remarkable enhancement in dielectric, piezoelectric, ferroelectric and SHG properties by iron doping in sodium para-nitrophenolatedihydrate single crystal” [Mater. Lett. 165 (2016) 99–102]	2018	Materials Letters	218			360	1	10.1016/j.matlet.2018.02.005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042060263&doi=10.1016%2fj.matlet.2018.02.005&partnerID=40&md5=39c26edd4c39216220e02600afedfd0a	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	0167577X

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at √sNN=5.02 TeV	2018	Journal of High Energy Physics	2018	3	181		16	10.1007/JHEP03(2018)181	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049784465&doi=10.1007%2fJHEP03%282018%29181&partnerID=40&md5=ce6a0ed9af86d1bc902e12688af135a8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at √s=13 TeV	2018	Journal of High Energy Physics	2018	5	88		32	10.1007/JHEP05(2018)088	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047349961&doi=10.1007%2fJHEP05%282018%29088&partnerID=40&md5=d56825fd2e4194f201947237ed6ff5ae	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the associated production of a single top quark and a Z boson in pp collisions at s=13TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	779			358	43	10.1016/j.physletb.2018.02.025	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055893617&doi=10.1016%2fj.physletb.2018.02.025&partnerID=40&md5=4e9d0ac936c32d08ca12c01e80fa8527	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Rana A.; Jain D.; Mahajan S.; Mukherjee A.	Bounds on graviton mass using weak lensing and SZ effect in galaxy clusters	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	781			220	12	10.1016/j.physletb.2018.03.076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045538420&doi=10.1016%2fj.physletb.2018.03.076&partnerID=40&md5=80a56868d4c9b07dcf3bcc362eb34c04	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Kumar R.; Mukhopadhyay D.	(3 + 1) -Dimensional topologically massive 2-form gauge theory: geometrical superfield approach	2018	European Physical Journal C	78	6	452		1	10.1140/epjc/s10052-018-5933-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048085057&doi=10.1140%2fepjc%2fs10052-018-5933-7&partnerID=40&md5=aed6ce69d58c0e8f8f617b210fd2c09d	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV	2018	European Physical Journal C	78	6	509		77	10.1140/epjc/s10052-018-5950-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048823387&doi=10.1140%2fepjc%2fs10052-018-5950-6&partnerID=40&md5=0d40c0355d29e9aa3d4419b45a34e7b5	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Gangopadhyay A.; Misra K.; Pastorello A.; Sahu D.K.; Tomasella L.; Tartaglia L.; Singh M.; Dastidar R.; Srivastav S.; Ochner P.; Brown P.J.; Anupama G.C.; Benetti S.; Cappellaro E.; Kumar B.; Kumar B.; Pandey S.B.	SN 2015as: A low-luminosity Type IIb supernova without an early light-curve peak	2018	Monthly Notices of the Royal Astronomical Society	476	3		3611	9	10.1093/mnras/sty478	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070080271&doi=10.1093%2fmnras%2fsty478&partnerID=40&md5=d24b430fae891dc2681777addb3b77b1	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Jolly P.; Vidya T.N.C.	Editorial	2018	Resonance	23	3		245	0	10.1007/s12045-018-0613-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046532367&doi=10.1007%2fs12045-018-0613-3&partnerID=40&md5=e0c7a77e99ccccce1552f5eaa20cb3b9	Department of Physics and Astrophysics, University of Delhi, ...	Springer India	9718044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at √s=13TeV	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	780			118	25	10.1016/j.physletb.2018.02.045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043590372&doi=10.1016%2fj.physletb.2018.02.045&partnerID=40&md5=41ac429282d1d9869de4ef1de49ff819	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of b hadron lifetimes in pp collisions at √s=8TeV	2018	European Physical Journal C	78	6	457		22	10.1140/epjc/s10052-018-5929-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048296754&doi=10.1140%2fepjc%2fs10052-018-5929-3&partnerID=40&md5=0b33d2c4f7f2c931b32020e2b4be718b	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Rana L.; Gupta R.; Sharma A.; Tomar M.; Gupta V.	Development of MEMS-Based Lamb Wave Acoustic Devices	2018	IEEE Transactions on Electron Devices	65	4		1523	4	10.1109/TED.2018.2805698	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042851378&doi=10.1109%2fTED.2018.2805698&partnerID=40&md5=8367448640e77fdd9fdd509ba0db93fa	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	189383
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	3	76		40	10.1007/JHEP03(2018)076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049863844&doi=10.1007%2fJHEP03%282018%29076&partnerID=40&md5=bf4d976dec4056b7e48667f5ab44d23b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of t t H Production	2018	Physical Review Letters	120	23	231801		239	10.1103/PhysRevLett.120.231801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048716916&doi=10.1103%2fPhysRevLett.120.231801&partnerID=40&md5=357e4ab7f16831330d78f04d180b8278	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	6	2		25	10.1007/JHEP06(2018)002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048226804&doi=10.1007%2fJHEP06%282018%29002&partnerID=40&md5=400d1ce9bc053c8758ed1aad86300422	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Kumar S.	Charged Compact Boson Stars in a Theory of Massless Scalar Field	2018	Few-Body Systems	59	3	35		0	10.1007/s00601-018-1360-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044226435&doi=10.1007%2fs00601-018-1360-4&partnerID=40&md5=2156d88418a840aa266fdedd93a03852	Department of Physics and Astrophysics, University of Delhi	Springer-Verlag Wien	1777963
Sahare P.D.; Saran M.	Particle size effects on the dosimetry characteristics of K3Na(SO4)2:Eu TLD micro- and nanophosphors	2018	Journal of Luminescence	198			488	9	10.1016/j.jlumin.2018.02.063	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043372419&doi=10.1016%2fj.jlumin.2018.02.063&partnerID=40&md5=85e89eb3119036c1f200f78277f67f1a	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	222313
Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Banerjee P.; Ganguly S.; Rai S.; Pragati; Modi S.; Arumugam P.; Mayank; Kumar S.; Palit R.; Kumar A.; Bhattacharjee S.S.; Singh R.P.; Muralithar S.	Rotational band on a three-quasineutron isomer in Xe 127	2018	Physical Review C	97	5	54311		13	10.1103/PhysRevC.97.054311	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046993024&doi=10.1103%2fPhysRevC.97.054311&partnerID=40&md5=75e61c67eac06ce32e6bf2b53c676c79	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Verma M.; Tanwar A.; Sreenivas K.	Influence of lone pair on structural and electrical properties of Sb substituted Bismuth layered SrBi2Nb2O9 ceramics	2018	Materials Chemistry and Physics	209			159	6	10.1016/j.matchemphys.2018.01.063	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043585737&doi=10.1016%2fj.matchemphys.2018.01.063&partnerID=40&md5=8cdae6cf596d1c888e651e52601e71c1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584

Kumar S.; Thakur O.P.; Luthra V.	Modulating the Effect of Yttrium Doping on the Structural and Dielectric Properties of Barium Titanate	2018	Physica Status Solidi (A) Applications and Materials Science	215	7	1700710		10	10.1002/pssa.201700710	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045448906&doi=10.1002%2fpssa.201700710&partnerID=40&md5=98829177ffde04a413a5e936fd30ca1b	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-VCH Verlag	18626300
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at √s=13 TeV	2018	Journal of High Energy Physics	2018	5	148		43	10.1007/JHEP05(2018)148	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047883101&doi=10.1007%2fJHEP05%282018%29148&partnerID=40&md5=fe31cd7cdcdadfb7384f104027bff5b8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sharma P.; Pandey P.P.; Jain S.	Modeling the cost and benefit of proteome regulation in a growing bacterial cell	2018	Physical Biology	15	4	46005		7	10.1088/1478-3975/aabe43	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047482283&doi=10.1088%2f1478-3975%2faabe43&partnerID=40&md5=8b4d68936615fc9daa2a1f71b0914aea	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	14783967
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Jet properties in PbPb and pp collisions at √sNN=5.02 TeV	2018	Journal of High Energy Physics	2018	5	6		34	10.1007/JHEP05(2018)006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047260087&doi=10.1007%2fJHEP05%282018%29006&partnerID=40&md5=83adc62de69e79370da26af42426798d	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Kumar D.; Jha P.; Chouksey A.; Tandon R.P.; Chaudhury P.K.; Rawat J.S.	Flexible single walled nanotube based chemical sensor for 2,4-dinitrotoluene sensing	2018	Journal of Materials Science: Materials in Electronics	29	8		6200	12	10.1007/s10854-018-8595-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040793212&doi=10.1007%2fs10854-018-8595-1&partnerID=40&md5=65939c5b2d7196715a2b2db1030b022f	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Borkar H.; Rao V.; Tomar M.; Gupta V.; Scott J.F.; Kumar A.	Giant enhancement in ferroelectric polarization under illumination	2018	Materials Today Communications	14			116	11	10.1016/j.mtcomm.2017.12.004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044847374&doi=10.1016%2fj.mtcomm.2017.12.004&partnerID=40&md5=1cf99efde1bf4acbca28f749320ad312	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	6	127		71	10.1007/JHEP06(2018)127	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049177471&doi=10.1007%2fJHEP06%282018%29127&partnerID=40&md5=50a23a66d5fc9c46ede4da01bfc20366	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the Λb polarization and angular parameters in Λb →J /ψ Λ decays from pp collisions at s =7 and 8 TeV MEASUREMENT of the Λb POLARIZATION ··· A. M. SIRUNYAN et al.	2018	Physical Review D	97	7	74006		22	10.1103/PhysRevD.97.072010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046806311&doi=10.1103%2fPhysRevD.97.072010&partnerID=40&md5=8f615e54277670c22213b3ceb223e7c2	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for ZZ resonances in the 2ℓ2ν final state in proton-proton collisions at 13 TeV	2018	Journal of High Energy Physics	2018	3	3		12	10.1007/JHEP03(2018)003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043594444&doi=10.1007%2fJHEP03%282018%29003&partnerID=40&md5=a9248056a2f0d5975f3e336402573b46	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Valkunde A.T.; Patil S.D.; Takale M.V.; Vhanmore B.D.; Urunkar T.U.; Gavade K.M.; Gupta D.N.	Exponential density transition based self-focusing of Gaussian laser beam in collisional plasma	2018	Optik	158			1034	13	10.1016/j.ijleo.2017.12.183	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040130652&doi=10.1016%2fj.ijleo.2017.12.183&partnerID=40&md5=4c597bd9fcf527d9cde8089ab3bf71bb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier GmbH	304026

Singh S.S.; Ramanathan R.	Speed of sound in a quark–gluon-plasma with one loop correction in mean-field potential	2018	Indian Journal of Physics	92	2		245	3	10.1007/s12648-017-1097-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040660918&doi=10.1007%2fs12648-017-1097-9&partnerID=40&md5=5179cecf4c542ccc760e61e7c8aec35d	Department of Physics and Astrophysics, University of Delhi	Scientific Publishers	9731458
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for tth production in the all-jet final state in proton-proton collisions at √s = 13 TeV	2018	Journal of High Energy Physics	2018	6	101	1	43	10.1007/JHEP06(2018)101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049914149&doi=10.1007%2fJHEP06%282018%29101&partnerID=40&md5=7d2dd0a1739fc69b833faf367c466921	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Combination of inclusive and differential tt¯ charge asymmetry measurements using ATLAS and CMS data at √s = 7 and 8 TeV	2018	Journal of High Energy Physics	2018	4	33		15	10.1007/JHEP04(2018)033	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048748130&doi=10.1007%2fJHEP04%282018%29033&partnerID=40&md5=5ed5955921e914b10f221f7b533079c8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	11266708
Singh N.; Aggarwal S.; Mohan M.	Atomic data for Ne-like ions useful in plasma diagnostic	2018	Canadian Journal of Physics	96	1		36	5	10.1139/cjp-2017-0031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040308478&doi=10.1139%2fcjp-2017-0031&partnerID=40&md5=8641b9975300c8e85495dc6664c53ab9	Department of Physics and Astrophysics, University of Delhi, ...	Canadian Science Publishing	84204
Goyal A.; Khatri I.; Singh N.; Aggarwal S.; Singh A.K.; Sharma R.	Spectroscopic study of EUV and SXR transitions of Cs XXV	2018	Canadian Journal of Physics	96	8		871	1	10.1139/cjp-2017-0359	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050996011&doi=10.1139%2fcjp-2017-0359&partnerID=40&md5=c0c5b96a861b6b8cdf09bacaf3288001	Department of Physics and Astrophysics, University of Delhi, ...	Canadian Science Publishing	84204
Kumar R.; Shukla A.	Christ-Lee model: Augmented supervariable approach	2018	Advances in High Energy Physics	2018		7381387		2	10.1155/2018/7381387	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056615784&doi=10.1155%2f2018%2f7381387&partnerID=40&md5=10393b30b8b059d3019fb633a5256206	Department of Physics and Astrophysics, University of Delhi, ...	Hindawi Limited	16877357
Sharma S.; Gupta R.; Gupta V.; Tomar M.	Growth of KNN Thin Films for Non-Linear Optical Applications	2018	Physica Status Solidi (A) Applications and Materials Science	215	4	1700452		8	10.1002/pssa.201700452	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042328907&doi=10.1002%2fpssa.201700452&partnerID=40&md5=1f29c1355b6ff839e276100e5f9300a5	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-VCH Verlag	18626300
Munjal D.; Sen K.D.; Prasad V.	Shape effect on information theoretic measures of quantum heterostructures	2018	Journal of Physics Communications	2	2	25002		10	10.1088/2399-6528/aaa3ba	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079456468&doi=10.1088%2f2399-6528%2faaa3ba&partnerID=40&md5=4764a763bc4d3494b21a5ce277d50d05	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	23996528
Sarin N.; Mishra M.; Gupta G.; Parkin I.P.; Luthra V.	Elucidating iron doping induced n- to p-characteristics of Strontium titanate based ethanol sensors	2018	Current Applied Physics	18	2		246	9	10.1016/j.cap.2017.11.007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034644166&doi=10.1016%2fj.cap.2017.11.007&partnerID=40&md5=426c5be8ffd76b02310954b6824a7b22	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	15671739
Singh G.; Lohiya D.	Inhomogeneous nucleosynthesis in linearly coasting cosmology	2018	Monthly Notices of the Royal Astronomical Society	473	1		14	4	10.1093/mnras/stx2281	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032006620&doi=10.1093%2fmnras%2fstx2281&partnerID=40&md5=c9cb1674f34765cbbb6727f0e533f336	Department of Physics and Astrophysics, University of Delhi	Oxford University Press	358711

Dudkowski D.; Prasad A.; Kapitaniak T.	Describing chaotic attractors: Regular and perpetual points	2018	Chaos	28	3	33604		20	10.1063/1.4991801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042854265&doi=10.1063%2f1.4991801&partnerID=40&md5=ff5498897ede7be64282ad7a875ca8de	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	10541500
Kumar H.; Bhatt P.; Safvan C.P.; Rajput J.	Three-body dissociation of OCS3+: Separating sequential and concerted pathways	2018	Journal of Chemical Physics	148	6	64302		17	10.1063/1.5001121	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042212840&doi=10.1063%2f1.5001121&partnerID=40&md5=b01e81cd368127128e869fa7c6371635	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	219606
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	2	67		17	10.1007/JHEP02(2018)067	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042405520&doi=10.1007%2fJHEP02%282018%29067&partnerID=40&md5=5e5545197d819e4d84c19c735f381952	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Singh M.; Gupta D.N.	Laser-absorption effect on pulse-compression under Ohmic and weak-relativistic ponderomotive nonlinearity in plasmas	2018	Laser Physics Letters	15	1	16001		4	10.1088/1612-202X/aa930f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043474497&doi=10.1088%2f1612-202X%2faa930f&partnerID=40&md5=f027e333e41a4500540412143eb7e997	Department of Physics and Astrophysics, University of Delhi	Institute of Physics Publishing	16122011
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of the p p → Z Z production cross section and the Z → 4 ℓ branching fraction, and constraints on anomalous triple gauge couplings at √s=13TeV	2018	European Physical Journal C	78	2	165		71	10.1140/epjc/s10052-018-5567-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042556487&doi=10.1140%2fepjc%2fs10052-018-5567-9&partnerID=40&md5=4bced984711bbb8b5562735106310c34	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Gupta P.D.; Saini N.	Collapsing supra-massive magnetars: FRBs, the repeating FRB121102 and GRBs	2018	Journal of Astrophysics and Astronomy	39	1	14		12	10.1007/s12036-017-9499-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081227832&doi=10.1007%2fs12036-017-9499-9&partnerID=40&md5=d8272fc5cb27c976716f0d26e5bf6a3f	Department of Physics and Astrophysics, University of Delhi	Springer	2506335
Ekstedt A.; Enberg R.; Ingelman G.; Löfgren J.; Mandal T.	Minimal anomalous U(1) theories and collider phenomenology	2018	Journal of High Energy Physics	2018	2	152		9	10.1007/JHEP02(2018)152	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042564600&doi=10.1007%2fJHEP02%282018%29152&partnerID=40&md5=7e8eb24077aa4a73ef475ffab1efdbdc	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sharma R.; Jaleel A.; Jain C.; Paul B.; Dutta A.	Thermonuclear x-ray burst of mxb 1658-298 with nustar	2018	Journal of Astrophysics and Astronomy	39	1	16		1	10.1007/s12036-017-9497-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060960334&doi=10.1007%2fs12036-017-9497-y&partnerID=40&md5=defa8aeee0675690d052d1fbcd5de9ec	Department of Physics and Astrophysics, University of Delhi, ...	Springer	2506335
Khurana S.; Chandra A.	Ionic liquid-based organic–inorganic hybrid electrolytes: Impact of in situ obtained and dispersed silica	2018	Journal of Polymer Science, Part B: Polymer Physics	56	3		207	15	10.1002/polb.24533	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032747619&doi=10.1002%2fpolb.24533&partnerID=40&md5=8d8434b2efe57b52c01b708329213f88	Department of Physics and Astrophysics, University of Delhi	John Wiley and Sons Inc.	8876266
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at √s=8 TeV	2018	Journal of High Energy Physics	2018	2	32		25	10.1007/JHEP02(2018)032	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042160354&doi=10.1007%2fJHEP02%282018%29032&partnerID=40&md5=94139ca80c91570407db240020c868ee	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Panwar N.; Pandey A.K.; Samal M.R.; Battinelli P.; Ogura K.; Ojha D.K.; Chen W.P.; Singh H.P.	Young Cluster Berkeley 59: Properties, Evolution, and Star Formation	2018	Astronomical Journal	155	1	44		12	10.3847/1538-3881/aa9f1b	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040459081&doi=10.3847%2f1538-3881%2faa9f1b&partnerID=40&md5=ed126dbb6f5da60f858e126f6cc3762a	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	46256
Katti A.; Yadav R.A.; Prasad A.	Bright optical spatial solitons in photorefractive waveguides having both the linear and quadratic electro-optic effect	2018	Wave Motion	77			64	20	10.1016/j.wavemoti.2017.10.002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034593268&doi=10.1016%2fj.wavemoti.2017.10.002&partnerID=40&md5=232592eda0f9dd386e660e79ef971ee1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1652125
Kaur H.; Yadav S.; Srivastava A.K.; Singh N.; Rath S.; Schneider J.J.; Sinha O.P.; Srivastava R.	High-yield synthesis and liquid-exfoliation of two-dimensional belt-like hafnium disulphide	2018	Nano Research	11	1		343	37	10.1007/s12274-017-1636-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026770149&doi=10.1007%2fs12274-017-1636-x&partnerID=40&md5=5cf36a54ea6b15c46b9a2b1325833d71	Department of Physics and Astrophysics, University of Delhi, ...	Tsinghua University Press	19980124
Dutta S.; Goyal A.; Saini L.K.	Spin-0± portal induced Dark Matter	2018	Journal of High Energy Physics	2018	2	23		3	10.1007/JHEP02(2018)023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041823117&doi=10.1007%2fJHEP02%282018%29023&partnerID=40&md5=d89d8fb6fc91183187acfa0857dab24e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Singh M.; Misra K.; Sahu D.K.; Dastidar R.; Gangopadhyay A.; Bose S.; Srivastav S.; Anupama G.C.; Chakradhari N.K.; Kumar B.; Kumar B.; Pandey S.B.	Exploring the optical behaviour of a Type Iax supernova SN 2014dt	2018	Monthly Notices of the Royal Astronomical Society	474	2		2551	14	10.1093/mnras/stx2916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042589773&doi=10.1093%2fmnras%2fstx2916&partnerID=40&md5=391319b64f5f92e1014495d1abee9df6	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Kumar S.; Kumar B.	Growth of an 8-hydroxyquinoline single crystal by a modified Czochralski growth technique, and crystal characterization	2018	CrystEngComm	20	5		624	11	10.1039/c7ce01857f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041327569&doi=10.1039%2fc7ce01857f&partnerID=40&md5=5e1effc25a3a1cf3b8f82d4ba148ddc4	Department of Physics and Astrophysics, University of Delhi	Royal Society of Chemistry	14668033
Srivastava N.; Srivastava M.; Mishra P.K.; Gupta V.K.; Molina G.; Rodriguez-Couto S.; Manikanta A.; Ramteke P.W.	Applications of fungal cellulases in biofuel production: Advances and limitations	2018	Renewable and Sustainable Energy Reviews	82			2379	151	10.1016/j.rser.2017.08.074	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028611467&doi=10.1016%2fj.rser.2017.08.074&partnerID=40&md5=6f34c83fa65847997e2eddc154b704b6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13640321
Gupta A.; Dutta S.; Tandon R.P.	Optical properties of spin coated Co0.6Zn0.4Mn0.3Fe1.7O4 thin films deposited on silicon and platinum coated silicon substrates	2018	Integrated Ferroelectrics	186	1		100	1	10.1080/10584587.2017.1370326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041366194&doi=10.1080%2f10584587.2017.1370326&partnerID=40&md5=b038c766217ca28c8324f7437e84b2bf	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Singh A.; Sharma A.; Tomar M.; Gupta V.	Tunable nanostructured columnar growth of SnO2 for efficient detection of CO gas	2018	Nanotechnology	29	6	65502		20	10.1088/1361-6528/aa9bc0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040646232&doi=10.1088%2f1361-6528%2faa9bc0&partnerID=40&md5=b4650e4905097133a38a9150d398d759	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9574484
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for top squarks and dark matter particles in opposite-charge dilepton final states at s = 13 TeV	2018	Physical Review D	97	3	32009		67	10.1103/PhysRevD.97.032009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043365002&doi=10.1103%2fPhysRevD.97.032009&partnerID=40&md5=e06d263c8872f0975d866f3ca8a5a14a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Joseph A.J.; Kumar B.	Study of true-remanent polarization using remanent hysteresis task and resistive leakage analysis in ferroelectric 0.64Pb(Mg1/3Nb2/3)O3-0.36PbTiO3 ceramics	2018	Solid State Communications	271			11	15	10.1016/j.ssc.2017.12.017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039423360&doi=10.1016%2fj.ssc.2017.12.017&partnerID=40&md5=87c64d5ee24dd9d674be318a5a1d8d96	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	381098
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for standard model production of four top quarks with same-sign and multilepton final states in proton–proton collisions at √s=13TeV	2018	European Physical Journal C	78	2	140		60	10.1140/epjc/s10052-018-5607-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042446443&doi=10.1140%2fepjc%2fs10052-018-5607-5&partnerID=40&md5=0a3a6f6934e7efae61fdc0202d43ca9a	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at √s=13 TeV	2018	Journal of High Energy Physics	2018	1	97		73	10.1007/JHEP01(2018)097	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041561955&doi=10.1007%2fJHEP01%282018%29097&partnerID=40&md5=abf9b13a9d599da639c8000a4ef0bd7f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Varshney V.; Sabarathinam S.; Prasad A.; Thamilmaran K.	Infinite Number of Hidden Attractors in Memristor-Based Autonomous Duffing Oscillator	2018	International Journal of Bifurcation and Chaos	28	1	1850013		41	10.1142/S021812741850013X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042743992&doi=10.1142%2fS021812741850013X&partnerID=40&md5=e39cfa271b31cab27c006ce625936686	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific Publishing Co. Pte Ltd	2181274
Samanta S.; Das S.; Bhattacharjee R.; Chatterjee S.; Raut R.; Ghugre S.S.; Sinha A.K.; Garg U.; Neelam; Kumar N.; Jones P.; Laskar M.S.R.; Babra F.S.; Biswas S.; Saha S.; Singh P.; Palit R.	Single-particle excitations in the level structure of Cu 64	2018	Physical Review C	97	1	14319		9	10.1103/PhysRevC.97.014319	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041099418&doi=10.1103%2fPhysRevC.97.014319&partnerID=40&md5=3ac6b14bd7bb8735b91689ef95a6e8e5	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Banerjee P.; Ganguly S.; Rai S.; Pragati; Mayank; Kumar S.; Bhattacharjee S.S.; Singh R.P.; Muralithar S.; Kumar A.; Palit R.	Revised level structure of 127Xe	2018	EPL	121	4	42001		6	10.1209/0295-5075/121/42001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046426240&doi=10.1209%2f0295-5075%2f121%2f42001&partnerID=40&md5=fa582d3c0d4e45b5d73c2d52f9c26e57	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	2955075
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks SEARCH for SUPERSYMMETRY in PROTON-PROTON ··· A. M. SIRUNYAN et al.	2018	Physical Review D	97	1	12007		35	10.1103/PhysRevD.97.012007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041748957&doi=10.1103%2fPhysRevD.97.012007&partnerID=40&md5=0a786c2271572cb3d192d36a171ab436	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Chandel S.; Thakur P.; Thakur S.S.; Sharma A.; Hsu J.-H.; Tomar M.; Gupta V.; Thakur A.	Investigation of excess and deficiency of iron in BiFeO3	2018	Materials Chemistry and Physics	204			207	14	10.1016/j.matchemphys.2017.10.042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034062680&doi=10.1016%2fj.matchemphys.2017.10.042&partnerID=40&md5=964c6b257c8ee1fecc85e089e4a6fc3b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the flavor-changing neutral current interactions of the top quark and the higgs boson which decays into a pair of b quarks at √s = 13 TeV	2018	Journal of High Energy Physics	2018	6	102	1	35	10.1007/JHEP06(2018)102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064670745&doi=10.1007%2fJHEP06%282018%29102&partnerID=40&md5=662df3926058789a05c5c18835a86507	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Gupta A.; Dutta S.; Tandon R.P.	Growth and magnetic properties of spin coated Co0.6Zn0.4Mn0.3Fe1.7O4 ultrathin films on silicon (100), (110) and (111) substrates	2018	Journal of Materials Science: Materials in Electronics	29	4		2764	3	10.1007/s10854-017-8204-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034238472&doi=10.1007%2fs10854-017-8204-8&partnerID=40&md5=2c11a943d076514032570ddf3aba109a	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Kumar S.; Kulshreshtha U.; Kulshreshtha D.S.	Boson Stars and Boson Shells	2018	Few-Body Systems	59	2	6		1	10.1007/s00601-018-1328-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040819462&doi=10.1007%2fs00601-018-1328-4&partnerID=40&md5=edeb0d9b7c2cb3ed28bde79daa4f2d78	Department of Physics and Astrophysics, University of Delhi, ...	Springer-Verlag Wien	1777963
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at s =13 TeV	2018	Physical Review Letters	120	8	81801		146	10.1103/PhysRevLett.120.081801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043342494&doi=10.1103%2fPhysRevLett.120.081801&partnerID=40&md5=94285e7999b8e1efa4d7bd08b51c6d7e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Gaur A.; Kumar A.; Naimuddin M.	Timing and charge measurement of single gap resistive plate chamber detectors for INO—ICAL experiment	2018	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	877			246	3	10.1016/j.nima.2017.09.056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031786477&doi=10.1016%2fj.nima.2017.09.056&partnerID=40&md5=a2d5d496f8732ebef462f126fbc4a287	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	1689002
Gairola P.; Gairola S.P.; Dhawan S.K.; Tandon R.P.; Gupta V.; Purohit L.P.; Sharma S.	Carbon material-nanoferrite composite for radiation shielding in microwave frequency	2018	Integrated Ferroelectrics	186	1		40	5	10.1080/10584587.2017.1369324	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041301762&doi=10.1080%2f10584587.2017.1369324&partnerID=40&md5=40c861f0e4a0da920102dae87eb82880	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Gupta N.; Santhiya D.; Murugavel S.; Kumar A.; Aditya A.; Ganguli M.; Gupta S.	Effects of transition metal ion dopants (Ag, Cu and Fe) on the structural, mechanical and antibacterial properties of bioactive glass	2018	Colloids and Surfaces A: Physicochemical and Engineering Aspects	538			393	60	10.1016/j.colsurfa.2017.11.023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033594338&doi=10.1016%2fj.colsurfa.2017.11.023&partnerID=40&md5=5a9131d2a4fe56a9e574c8b01f2580c6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9277757
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair	2018	Physical Review Letters	120	7	71802		84	10.1103/PhysRevLett.120.071802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042254005&doi=10.1103%2fPhysRevLett.120.071802&partnerID=40&md5=ed3634aaa76a7c115effbaa5a36ddd94	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Saini P.; Singh M.; Thakur J.; Patil R.; Ma Y.R.; Tandon R.P.; Singh S.P.; Mahapatro A.K.	Probing the Mechanism for Bipolar Resistive Switching in Annealed Graphene Oxide Thin Films	2018	ACS Applied Materials and Interfaces	10	7		6521	22	10.1021/acsami.7b09447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042530097&doi=10.1021%2facsami.7b09447&partnerID=40&md5=a7df1f435c9b8f747a7813aeb9cd47a1	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	19448244
Jain G.; Dalal R.; Bhardwaj A.; Ranjan K.; Dierlamm A.; Hartmann F.; Eber R.; Demarteau M.	Development of AC-coupled, poly-silicon biased, p-on-n silicon strip detectors in India for HEP experiments	2018	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	882			1	3	10.1016/j.nima.2017.10.010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034660796&doi=10.1016%2fj.nima.2017.10.010&partnerID=40&md5=d062dcd44964c3315aa4d893ec7f15f9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002

Yadav G.C.; Sharma G.; Singh V.; Kumar M.; Srivastava N.; Kumar S.; Gupta V.	Coupled mode surface plasmon resonance sensor: in situ detection of humidity with starch biofilm	2018	Optical and Quantum Electronics	50	1	11		3	10.1007/s11082-017-1275-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85037543987&doi=10.1007%2fs11082-017-1275-1&partnerID=40&md5=0aadc7e30d4d13b988bbc78b53c30f65	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	3068919
Kumar S.; Kumari S.; Jangir S.K.; Pandey R.K.; Goyal A.; Upadhyay G.; Mishra P.; Srinivasan T.; Mahapatro A.K.	Comparative study of wet sulfur passivation process on GaSb (100) surface	2018	Integrated Ferroelectrics	186	1		77	1	10.1080/10584587.2017.1369773	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041294744&doi=10.1080%2f10584587.2017.1369773&partnerID=40&md5=84be5147716d6a0736e750dce37cf9bf	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Goel S.; Yadav H.; Sinha N.; Singh B.; Bdikin I.; Kumar B.	X-ray, dielectric, piezoelectric and optical analyses of a new nonlinear optical 8-hydroxyquinolinium hydrogen squarate crystal:	2018	Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials	74	1		12	29	10.1107/S2052520617013038	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041649248&doi=10.1107%2fS2052520617013038&partnerID=40&md5=d5dbdbfdd0c2f11dd2582c77cd8c922c	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-Blackwell	20525192
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p+Pb Collisions at the LHC	2018	Physical Review Letters	120	9	92301		58	10.1103/PhysRevLett.120.092301	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043360545&doi=10.1103%2fPhysRevLett.120.092301&partnerID=40&md5=f1479fad2bbbd5642de3887bef22d8cb	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Goyal R.; Sharma R.P.	Effect of ion-neutral collisions on the evolution of kinetic Alfvén waves in plasmas	2018	Plasma Physics and Controlled Fusion	60	3	35002		0	10.1088/1361-6587/aaa118	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042163371&doi=10.1088%2f1361-6587%2faaa118&partnerID=40&md5=8490226bf02ab9f3142d6419ccb98791	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	7413335
Pahuja P.; Tomar A.; Tandon R.P.	Improved properties in Dy3+ substituted barium titanate	2018	Integrated Ferroelectrics	186	1		49	2	10.1080/10584587.2017.1369745	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041370963&doi=10.1080%2f10584587.2017.1369745&partnerID=40&md5=46fc0065447104b6cf3f3cf191daefa8	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Gautam S.; Kumar D.; Alegaonkar P.S.; Jha P.; Jain N.; Rawat J.S.	Enhanced response and improved selectivity for toxic gases with functionalized CNT thin film resistors	2018	Integrated Ferroelectrics	186	1		65	7	10.1080/10584587.2017.1369749	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041310113&doi=10.1080%2f10584587.2017.1369749&partnerID=40&md5=9d1093ea177f49569cf4cfd8a6e1cced	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Kamal N.K.; Varshney V.; Shrimali M.D.; Prasad A.; Kuznetsov N.V.; Leonov G.A.	Shadowing in hidden attractors	2018	Nonlinear Dynamics	91	4		2429	6	10.1007/s11071-017-4022-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040040990&doi=10.1007%2fs11071-017-4022-z&partnerID=40&md5=e52d52edd40c9bf7459137bbb50d617c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Netherlands	0924090X
Shrestha K.R.; Kandula S.; Rajeshkhanna G.; Srivastava M.; Kim N.H.; Lee J.H.	An advanced sandwich-type architecture of MnCo2O4@N-C@MnO2 as an efficient electrode material for a high-energy density hybrid asymmetric solid-state supercapacitor	2018	Journal of Materials Chemistry A	6	47		24509	95	10.1039/c8ta08976k	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058141460&doi=10.1039%2fc8ta08976k&partnerID=40&md5=b0c59591b3ef6523f1928438ce1f3f0f	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20507488
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Pseudorapidity distributions of charged hadrons in proton-lead collisions at √sNN=5.02 and 8.16 TeV	2018	Journal of High Energy Physics	2018	1	45		17	10.1007/JHEP01(2018)045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040930764&doi=10.1007%2fJHEP01%282018%29045&partnerID=40&md5=60e4924924f1d118780f7372453d3eeb	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets	2019	Physical Review Letters	123	24	241801		2	10.1103/PhysRevLett.123.241801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076541302&doi=10.1103%2fPhysRevLett.123.241801&partnerID=40&md5=c43ba4afb1e223715e6682f0734101f8	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Tandon R.P.; Mahapatro A.K.	Guest Editorial	2019	Integrated Ferroelectrics	202	1		vii	0	10.1080/10584587.2019.1699759	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077170296&doi=10.1080%2f10584587.2019.1699759&partnerID=40&md5=3069ba460391fb0633206af80b7d63c3	Department of Physics and Astrophysics, University of Delhi	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at √s = 13 TeV	2019	Journal of High Energy Physics	2019	12	62		20	10.1007/JHEP12(2019)062	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076454859&doi=10.1007%2fJHEP12%282019%29062&partnerID=40&md5=d241e2b194de1b2d5328a9424745668d	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for vectorlike leptons in multilepton final states in proton-proton collisions at s =13 TeV	2019	Physical Review D	100	5	52003		68	10.1103/PhysRevD.100.052003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072931567&doi=10.1103%2fPhysRevD.100.052003&partnerID=40&md5=395d887a1ae33bd24cae8cef95b98662	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kumar S.; Arti; Kumar P.; Singh N.; Verma V.	Steady microwave absorption behavior of two-dimensional metal carbide MXene and Polyaniline composite in X-band	2019	Journal of Magnetism and Magnetic Materials	488		165364		54	10.1016/j.jmmm.2019.165364	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066444400&doi=10.1016%2fj.jmmm.2019.165364&partnerID=40&md5=5877fec3bd5f51ef6c50517cc472f5f6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3048853
Premraj D.; Suresh K.; Thamilmaran K.	Effect of processing delay on bifurcation delay in a network of slow-fast oscillators	2019	Chaos	29	12	123127		11	10.1063/1.5123417	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076978060&doi=10.1063%2f1.5123417&partnerID=40&md5=b639749d147f83b97befdcd486ec813c	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	10541500
Sharma S.; Kumar A.; Gupta V.; Tomar M.	Influence of top metal electrode on electrical properties of pulsed laser deposited lead-free ferroelectric K0.35Na0.65NbO3 thin films	2019	Materials Science in Semiconductor Processing	103		104618		4	10.1016/j.mssp.2019.104618	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068891208&doi=10.1016%2fj.mssp.2019.104618&partnerID=40&md5=eb3bb9472df0275bebc62ba591471711	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13698001
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum	2019	Journal of High Energy Physics	2019	10	244		96	10.1007/JHEP10(2019)244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074868738&doi=10.1007%2fJHEP10%282019%29244&partnerID=40&md5=b55caea6c0758ad5717db5e0eedc4cc2	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	798		134985		62	10.1016/j.physletb.2019.134985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072850749&doi=10.1016%2fj.physletb.2019.134985&partnerID=40&md5=55d1fc68c012bba138b913c7eee29c39	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Malik C.; Rathi P.; Singh B.; Pandey A.	An investigation of luminescence properties of gamma, ultraviolet and ion-beam irradiated phosphor KCaBO3:Dy	2019	Journal of Luminescence	216		116692		5	10.1016/j.jlumin.2019.116692	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071571292&doi=10.1016%2fj.jlumin.2019.116692&partnerID=40&md5=3c2df81d4bef5bbca313a233d8f04647	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	222313

Tiwary S.S.; Sharma H.P.; Chakraborty S.; Majumder C.; Bhat G.H.; Sheikh J.A.; Baneerjee P.; Ganguly S.; Rai S.; Pragati; Mayank; Kumar S.; Kumar A.; Bhattacharjee S.S.; Singh R.P.; Muralithar S.	Observation of quasi- γ bands in Te nuclei	2019	European Physical Journal A	55	9	163		8	10.1140/epja/i2019-12842-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073242053&doi=10.1140%2fepja%2fi2019-12842-y&partnerID=40&md5=8356a8b994dea36e15a1289cd3347ba0	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346001
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	First measurement of neutrino oscillation parameters using neutrinos and antineutrinos by NOvA	2019	Physical Review Letters	123	15	151803		210	10.1103/PhysRevLett.123.151803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073474513&doi=10.1103%2fPhysRevLett.123.151803&partnerID=40&md5=df18ef012f6959b999c762b331a8b11a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Issar S.; Mahapatro A.K.	Hydrothermally grown rutile titanium dioxide nanostructures with various morphologies	2019	Materials Science in Semiconductor Processing	104		104676		10	10.1016/j.mssp.2019.104676	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070896102&doi=10.1016%2fj.mssp.2019.104676&partnerID=40&md5=2fb51ae193258d66b8f00770f20618a1	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	13698001
Pahuja P.; Tandon R.P.	Effect of Addition of NZF Nanoparticles on Ferroelectric, Magnetic and Magnetoelectric Properties of BST-NZF Composite	2019	Integrated Ferroelectrics	203	1		164	1	10.1080/10584587.2019.1674949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077252757&doi=10.1080%2f10584587.2019.1674949&partnerID=40&md5=eedd31d4f57f3529ea779055c35f7679	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Gupta R.; Rana L.; Sharma A.; Gupta V.; Tomar M.	Fabrication of micro-cantilever and its theoretical validation for energy harvesting applications	2019	Microsystem Technologies	25	11		4249	4	10.1007/s00542-019-04369-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062647066&doi=10.1007%2fs00542-019-04369-4&partnerID=40&md5=bb2fc1ec942c64efd616785abc982815	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	9467076
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the differential Drell-Yan cross section in proton-proton collisions at √s = 13 TeV	2019	Journal of High Energy Physics	2019	12	59		36	10.1007/JHEP12(2019)059	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076849567&doi=10.1007%2fJHEP12%282019%29059&partnerID=40&md5=158dedb6c3c260a82ff7ce93aab884c8	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at sNN=5.44 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	799		135049		10	10.1016/j.physletb.2019.135049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074402046&doi=10.1016%2fj.physletb.2019.135049&partnerID=40&md5=d06587d86cec19c8ec48a61136c8ad2e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Srivastava N.; Srivastava M.; Malhotra B.D.; Gupta V.K.; Ramteke P.W.; Silva R.N.; Shukla P.; Dubey K.K.; Mishra P.K.	Nanoengineered cellulosic biohydrogen production via dark fermentation: A novel approach	2019	Biotechnology Advances	37	6	107384		94	10.1016/j.biotechadv.2019.04.006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067141835&doi=10.1016%2fj.biotechadv.2019.04.006&partnerID=40&md5=2af55df3243fb0a6102842ccc30461a5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Inc.	7349750
Balendra; Banday A.; Tewari S.; Singh B.; Murugavel S.; Ramanan A.	Alkaline-earth metal based coordination polymers assembled from two different V-shaped ligands: Synthesis, structure, and dielectric properties	2019	Inorganica Chimica Acta	495		118940		8	10.1016/j.ica.2019.05.039	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067841494&doi=10.1016%2fj.ica.2019.05.039&partnerID=40&md5=fa3e9346483739ad419c92ef2b4f2645	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier S.A.	201693
Chothe H.R.; Dutta A.; Sur S.	Cosmological dark sector from a mimetic-metric-torsion perspective	2019	International Journal of Modern Physics D	28	15	1950174		6	10.1142/S0218271819501748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075779548&doi=10.1142%2fS0218271819501748&partnerID=40&md5=587cae4ba105746104010e09725e153b	Department of Physics and Astrophysics, University of Delhi	World Scientific Publishing Co. Pte Ltd	2182718

Kharangarh P.R.; Singh G.	Facile Synthesis of Sulfur Doped Graphene Quantum Dots for High Performance Supercapacitor Applications	2019	Integrated Ferroelectrics	202	1		163	20	10.1080/10584587.2019.1674834	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077142025&doi=10.1080%2f10584587.2019.1674834&partnerID=40&md5=e15334d3e945bff4f52da3f9d0bcc31c	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of Bs 0 meson production in pp and PbPb collisions at sNN=5.02 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	796			168	22	10.1016/j.physletb.2019.07.014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069690722&doi=10.1016%2fj.physletb.2019.07.014&partnerID=40&md5=bf28a49e7ab2834afbe753f94df1cd1c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Dixit S.; Sharma A.; Prasad A.; Shrimali M.D.	Dynamics of nonlinear oscillator with transient feedback	2019	International Journal of Dynamics and Control	7	3		1015	6	10.1007/s40435-019-00534-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069808912&doi=10.1007%2fs40435-019-00534-9&partnerID=40&md5=236ccbe9eeed0b63737a3445e37f524a	Department of Physics and Astrophysics, University of Delhi, ...	Springer Berlin Heidelberg	2195268X
Goel S.; Kumar B.	Lead-free high Tc ferroelectric material: Hierarchical Dy-doped ZnO architectures co-assembled by 1D nanorods and 2D nanosheets	2019	Journal of Alloys and Compounds	801			626	8	10.1016/j.jallcom.2019.06.172	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067378918&doi=10.1016%2fj.jallcom.2019.06.172&partnerID=40&md5=f3c28a609ad6c73513c5ba4f36fc87cb	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	9258388
Bhardwaj A.; Konar P.; Mandal T.; Sadhukhan S.	Probing the inert doublet model using jet substructure with a multivariate analysis	2019	Physical Review D	100	5	55040		20	10.1103/PhysRevD.100.055040	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073171039&doi=10.1103%2fPhysRevD.100.055040&partnerID=40&md5=715a1cbf91e68a97ca42b1b0ae4b390a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the top quark Yukawa coupling from t t kinematic distributions in the lepton+jets final state in proton-proton collisions at s =13 TeV MEASUREMENT of the TOP QUARK YUKAWA COUPLING from ... SIRUNYAN et al.	2019	Physical Review D	100	7	72007		13	10.1103/PhysRevD.100.072007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074337306&doi=10.1103%2fPhysRevD.100.072007&partnerID=40&md5=68ce979d6fe0cf92c978541c08fd190d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry using Higgs boson to diphoton decays at √s = 13 TeV	2019	Journal of High Energy Physics	2019	11	109		15	10.1007/JHEP11(2019)109	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076395979&doi=10.1007%2fJHEP11%282019%29109&partnerID=40&md5=883a69d6c9b01833f9aee63cbcc1d8d9	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Deb S.; Kurbah K.; Singh H.P.; Kanbur S.M.; Ngeow C.-C.; Medhi B.J.; Kumar S.	Morphology of the Small Magellanic Cloud using multiwavelength photometry of classical Cepheids	2019	Monthly Notices of the Royal Astronomical Society	489	3		3725	4	10.1093/mnras/stz2328	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075126770&doi=10.1093%2fmnras%2fstz2328&partnerID=40&md5=3d1770a81424519773a968b7b83f15a1	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Paliwal A.; Sharma S.; Tomar M.; Gupta V.	Impact of plasma dynamics on magneto optic kerr effect (MOKE) in Mn doped BFO thin films	2019	Physica B: Condensed Matter	571			57	3	10.1016/j.physb.2019.06.054	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068260087&doi=10.1016%2fj.physb.2019.06.054&partnerID=40&md5=cdcb9c49a8e2b8e1142ece75b0eb55ea	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9214526
Das D.	Lepton flavor violating Λ b→ Λ ℓ1ℓ2 decay	2019	European Physical Journal C	79	12	1005		10	10.1140/epjc/s10052-019-7530-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076853134&doi=10.1140%2fepjc%2fs10052-019-7530-9&partnerID=40&md5=3c469747be45b4aff9eeef9f6ec79067	Department of Physics and Astrophysics, University of Delhi	Springer	14346044

Neelam; Kumar S.; Abhilash S.R.; Umapathy G.R.; Kabiraj D.; Mehta D.	Fabrication of the gold (Au) backed T130e targets for in-beam gamma-ray spectroscopy	2019	Vacuum	170		108961		2	10.1016/j.vacuum.2019.108961	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072783892&doi=10.1016%2fj.vacuum.2019.108961&partnerID=40&md5=6e1ec6f6daa6d468c71e7688c7183d5c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Charged-particle angular correlations in XeXe collisions at sNN =5.44 TeV	2019	Physical Review C	100	4	44902		32	10.1103/PhysRevC.100.044902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073064656&doi=10.1103%2fPhysRevC.100.044902&partnerID=40&md5=24e4f69c0aeaa3747bd29dfde3527211	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Mishra A.; Fatima T.; Narang J.; Shukla S.K.; Rawal R.; Mathur A.; Jain A.; Khanuja M.	Self-Assembled Two-Dimensional Molybdenum Disulfide Nanosheet Geno-Interface for the Detection of Salmonella	2019	ACS Omega	4	12		14913	9	10.1021/acsomega.9b01651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072659932&doi=10.1021%2facsomega.9b01651&partnerID=40&md5=a9830378021ecc350ddb5101da191657	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	24701343
Sharma M.; Mishra D.	CrysX: Crystallographic tools for the Android platform	2019	Journal of Applied Crystallography	52			1449	4	10.1107/S1600576719013682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075799112&doi=10.1107%2fS1600576719013682&partnerID=40&md5=9f89919339b207d50d204e6fafed8114	Department of Physics and Astrophysics, University of Delhi	International Union of Crystallography	218898
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at √s=13Te	2019	European Physical Journal C	79	9	773		8	10.1140/epjc/s10052-019-7276-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073079070&doi=10.1140%2fepjc%2fs10052-019-7276-4&partnerID=40&md5=8db7bf93052356be3d1147aa359c8383	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Kumar V.; Choudhary S.; Malik V.; Nagarajan R.; Kandasami A.; Subramanian A.	Enhancement in Photocatalytic Activity of SrTiO3 by Tailoring Particle Size and Defects	2019	Physica Status Solidi (A) Applications and Materials Science	216	18	1900294		17	10.1002/pssa.201900294	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069925855&doi=10.1002%2fpssa.201900294&partnerID=40&md5=0f9acb4ce55f4cf3b3e36c6610538d69	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-VCH Verlag	18626300
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a Light Charged Higgs Boson Decaying to a W Boson and a CP -Odd Higgs Boson in Final States with eμμ or μμμ in Proton-Proton Collisions at s =13 TeV	2019	Physical Review Letters	123	13	131802		22	10.1103/PhysRevLett.123.131802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072809360&doi=10.1103%2fPhysRevLett.123.131802&partnerID=40&md5=bd3164740982b991e2d2c9fde3b66d93	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	798		134952		31	10.1016/j.physletb.2019.134952	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072889204&doi=10.1016%2fj.physletb.2019.134952&partnerID=40&md5=aa8f75f55ae1748d6fbf80ae1ae982d6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Singh D.	Correction to: Emergent D-Instanton as a Source of Dark Energy (Brazilian Journal of Physics, (2019), 49, 2, (249-255), 10.1007/s13538-019-00635-y)	2019	Brazilian Journal of Physics	49	5		799	0	10.1007/s13538-019-00696-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069536133&doi=10.1007%2fs13538-019-00696-z&partnerID=40&md5=0f957e29f85afad02ce539f2cc2028ef	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	1039733
Konar S.; Deka U.	Radio pulsar sub-populations (I): The curious case of nulling pulsars	2019	Journal of Astrophysics and Astronomy	40	5	42		14	10.1007/s12036-019-9608-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073536147&doi=10.1007%2fs12036-019-9608-z&partnerID=40&md5=e4a7ab6168d506bdbbe3999c1afcbfbe	Department of Physics and Astrophysics, University of Delhi, ...	Springer	2506335

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at sNN=5.02TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	797		134826		128	10.1016/j.physletb.2019.134826	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070721104&doi=10.1016%2fj.physletb.2019.134826&partnerID=40&md5=fd6b7abdba68067a8c9fbe5ca6995c6f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at √s=13TeV	2019	European Physical Journal C	79	11	893		10	10.1140/epjc/s10052-019-7402-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074765094&doi=10.1140%2fepjc%2fs10052-019-7402-3&partnerID=40&md5=6a517b01c3fd3b4090f872e35419bf72	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the top quark polarization and t t spin correlations using dilepton final states in proton-proton collisions at s =13 TeV	2019	Physical Review D	100	7	72002		54	10.1103/PhysRevD.100.072002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074338081&doi=10.1103%2fPhysRevD.100.072002&partnerID=40&md5=32e7e5eb972dd18071d21c0e0ad041ae	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	797		134876		39	10.1016/j.physletb.2019.134876	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071362823&doi=10.1016%2fj.physletb.2019.134876&partnerID=40&md5=c8fab626305db4b90c05767b757a87cb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at √s = 13 TeV	2019	Journal of High Energy Physics	2019	11	82		24	10.1007/JHEP11(2019)082	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076108268&doi=10.1007%2fJHEP11%282019%29082&partnerID=40&md5=251f6c31fd0d1054922faea8cd9e7af8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Jalan P.; Chand H.; Srianand R.	Probing the Environment of High-z Quasars Using the Proximity Effect in Projected Quasar Pairs	2019	Astrophysical Journal	884	2	151		8	10.3847/1538-4357/ab4191	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075140800&doi=10.3847%2f1538-4357%2fab4191&partnerID=40&md5=80b6381646b9cee904d4df9c166332cd	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	0004637X
Bhogra A.; Masarrat A.; Meena R.; Hasina D.; Bala M.; Dong C.-L.; Chen C.-L.; Som T.; Kumar A.; Kandasami A.	Tuning the Electrical and Thermoelectric Properties of N Ion Implanted SrTiO3 Thin Films and Their Conduction Mechanisms	2019	Scientific Reports	9	1	14486		26	10.1038/s41598-019-51079-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073123666&doi=10.1038%2fs41598-019-51079-y&partnerID=40&md5=091c5e3fba25131c7cb494cbdb9e0182	Department of Physics and Astrophysics, University of Delhi, ...	Nature Publishing Group	20452322
Bharadvaja A.; Kaur S.; Baluja K.L.	Study of electron collision from bioalcohols from 10 to 5000 eV	2019	European Physical Journal D	73	12	251		12	10.1140/epjd/e2019-100424-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076115731&doi=10.1140%2fepjd%2fe2019-100424-9&partnerID=40&md5=20f70e75be6fded1e795fea9d1b3b823	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at √s=13 TeV	2019	Physical Review D	100	11	112007		41	10.1103/PhysRevD.100.112007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077391071&doi=10.1103%2fPhysRevD.100.112007&partnerID=40&md5=492ed577e6907e8ddd7a0f875576266e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Jain A.; Gupta D.N.; Suk H.	Electron-Ion Recombination Effect on Electron Acceleration by an Intense Laser Pulse	2019	IEEE Transactions on Plasma Science	47	11	8890004	4891	9	10.1109/TPS.2019.2947283	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075595127&doi=10.1109%2fTPS.2019.2947283&partnerID=40&md5=231d98a58ccf53bec2e2562b03de9c8e	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	933813
Sharma S.; Paliwal A.; Tomar M.; Gupta V.	Multiferroic BFO/BTO multilayer structures based magnetic field sensor	2019	Physica B: Condensed Matter	571			1	10	10.1016/j.physb.2019.06.056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068236027&doi=10.1016%2fj.physb.2019.06.056&partnerID=40&md5=2908ec4997ab4483e688c62c855bee9f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9214526
Sakai K.; Hoshino Y.; Prasad A.; Sugawara Fukamachi A.; Ishibashi A.	Period-3 dominant phase synchronisation of Zelkova serrata: border-collision bifurcation observed in a plant population	2019	Scientific Reports	9	1	15568		4	10.1038/s41598-019-50815-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074231640&doi=10.1038%2fs41598-019-50815-8&partnerID=40&md5=1b700b509812cc5b437a49c103bad1b7	Department of Physics and Astrophysics, University of Delhi, ...	Nature Publishing Group	20452322
Tak B.R.; Gupta V.; Kapoor A.K.; Chu Y.-H.; Singh R.	Wearable Gallium Oxide Solar-Blind Photodetectors on Muscovite Mica Having Ultrahigh Photoresponsivity and Detectivity with Added High-Temperature Functionalities	2019	ACS Applied Electronic Materials	1	11		2463	43	10.1021/acsaelm.9b00603	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085954976&doi=10.1021%2facsaelm.9b00603&partnerID=40&md5=ef8d53172efa6d160b6c7fb859896002	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	26376113
Sahoo S.; Varshney V.; Prasad A.; Ramaswamy R.	Ageing in mixed populations of Stuart-Landau oscillators: The role of diversity	2019	Journal of Physics A: Mathematical and Theoretical	52	46	464001		4	10.1088/1751-8121/ab4a21	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075655240&doi=10.1088%2f1751-8121%2fab4a21&partnerID=40&md5=41031a0434e0a1363a17423a42e63b3d	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	17518113
Choudhury D.; Kumar N.; Kundu A.	Search for an opposite sign muon-tau pair and a b -jet at the LHC in the context of flavor anomalies	2019	Physical Review D	100	7	75001		3	10.1103/PhysRevD.100.075001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074337849&doi=10.1103%2fPhysRevD.100.075001&partnerID=40&md5=fa58b0a666f5db6c67a90eb091147c66	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Khushboo; Madhavan N.; Nath S.; Jhingan A.; Gehlot J.; Behera B.; Verma S.; Kalkal S.; Mandal S.	Searching the reason for sub-barrier fusion enhancement through multineutron transfer channels	2019	Physical Review C	100	6	64612		11	10.1103/PhysRevC.100.064612	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077165180&doi=10.1103%2fPhysRevC.100.064612&partnerID=40&md5=de198da54c7c6cc8b8a7747884ae7a0d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to τ lepton pairs	2019	Physical Review D	100	11	112002		31	10.1103/PhysRevD.100.112002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076516544&doi=10.1103%2fPhysRevD.100.112002&partnerID=40&md5=fab83742ab506d0d91d3df7ae0068d7d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Megavarna Ezhilarasu P.; Suresh K.; Thamilmaran K.	Observation of Strange Nonchaotic Dynamics in the Frame of State-Controlled Cellular Neural Network-Based Oscillator	2019	Journal of Computational and Nonlinear Dynamics	14	11	111004		1	10.1115/1.4044147	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072613753&doi=10.1115%2f1.4044147&partnerID=40&md5=6df639b45c9b37d550c0e56346a82c48	Department of Physics and Astrophysics, University of Delhi, ...	American Society of Mechanical Engineers (ASME)	15551415
Chaudhary A.; Teotia S.; Kumar R.; Gupta V.; Dhakate S.R.; Kumari S.	Multi-component framework derived SiC composite paper to support efficient thermal transport and high EMI shielding performance	2019	Composites Part B: Engineering	176		107123		19	10.1016/j.compositesb.2019.107123	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069610842&doi=10.1016%2fj.compositesb.2019.107123&partnerID=40&md5=108feb217b23bc8d9b444200daf54d31	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13598368

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new physics in top quark production in dilepton final states in proton-proton collisions at √s=13TeV	2019	European Physical Journal C	79	11	886		17	10.1140/epjc/s10052-019-7387-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074277455&doi=10.1140%2fepjc%2fs10052-019-7387-y&partnerID=40&md5=b4199988c35d6483785efebdd369599d	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at √s = 13 TeV	2019	Journal of High Energy Physics	2019	10	139		23	10.1007/JHEP10(2019)139	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074147634&doi=10.1007%2fJHEP10%282019%29139&partnerID=40&md5=2997cd57ebc8947321716c61c6147e8d	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Bharadvaja A.; Kaur S.; Baluja K.L.	Electron-impact cross sections of X2CO (X = H, F, Cl, Br) from ionization threshold to 5 keV	2019	European Physical Journal D	73	9	199		4	10.1140/epjd/e2019-100142-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071990929&doi=10.1140%2fepjd%2fe2019-100142-x&partnerID=40&md5=d99accc6a82ca8b349f07a61a2af8575	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media, LLC	14346060
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Study of the B +→ J / ψ Λ ¯ p decay in proton-proton collisions at √s = 8 TeV	2019	Journal of High Energy Physics	2019	12	100		6	10.1007/JHEP12(2019)100	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076606991&doi=10.1007%2fJHEP12%282019%29100&partnerID=40&md5=f11ca7a037cd73a24f32f93532a203a0	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Nag Chowdhury S.; Majhi S.; Ghosh D.; Prasad A.	Convergence of chaotic attractors due to interaction based on closeness	2019	Physics Letters, Section A: General, Atomic and Solid State Physics	383	35	125997		16	10.1016/j.physleta.2019.125997	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072645353&doi=10.1016%2fj.physleta.2019.125997&partnerID=40&md5=2003ae32be2a8a88e414a8f83bebe540	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3759601
Ansari M.A.; Sreenivas K.	Effects of disorder activated scattering and defect-induced phase on the ferroelectric properties of BaSnxTi1-xO3 (0≤x≤0.28) ceramics	2019	Ceramics International	45	16		20738	6	10.1016/j.ceramint.2019.07.058	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068460433&doi=10.1016%2fj.ceramint.2019.07.058&partnerID=40&md5=7de63479287e712ff66fd5bbe38d80e9	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	2728842
Dastidar R.; Misra K.; Valenti S.; Burke J.; Hosseinzadeh G.; Gangopadhyay A.; Andrew Howell D.; Singh M.; Arcavi I.; Kumar B.; McCully C.; Sanwal P.; Pandey S.B.	SN 2015an: A normal luminosity type II supernova with low expansion velocity at early phases	2019	Monthly Notices of the Royal Astronomical Society	490	2		1605	4	10.1093/mnras/stz2703	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079604558&doi=10.1093%2fmnras%2fstz2703&partnerID=40&md5=ea6b9441a42e7f2be9534f937fb14894	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Puri N.; Rohilla A.; Chamoli S.K.; Mahapatro A.K.	Effect of ytterbium oxide deposition on microstructural and electrical properties of thin tantalum foil	2019	Materials Letters	253			67	5	10.1016/j.matlet.2019.06.016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067243668&doi=10.1016%2fj.matlet.2019.06.016&partnerID=40&md5=66f5906b2d16d430455ac99792dac45eb	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	0167577X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Higgs and Z boson decays to J/ψ or Y pairs in the four-muon final state in proton-proton collisions at s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	797		134811		21	10.1016/j.physletb.2019.134811	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070317489&doi=10.1016%2fj.physletb.2019.134811&partnerID=40&md5=46ba8e793ffb56cb6423385d74e1cb20	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Medwal R.; Gupta S.; Rawat R.S.; Subramanian A.; Fukuma Y.	Spin Pumping in Asymmetric Fe50Pt50/Cu/Fe20Ni80 Trilayer Structure	2019	Physica Status Solidi - Rapid Research Letters	13	10	1900267		10	10.1002/pssr.201900267	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070481916&doi=10.1002%2fpssr.201900267&partnerID=40&md5=de1d0d0a69e67a1a9d503c6db39ac66e	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-VCH Verlag	18626254

Arti; Kumar S.; Kumar P.; Walia R.; Verma V.	Improved ferroelectric, magnetic and photovoltaic properties of Pr doped multiferroic bismuth ferrites for photovoltaic application	2019	Results in Physics	14		102403		40	10.1016/j.rinp.2019.102403	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066779163&doi=10.1016%2fj.rinp.2019.102403&partnerID=40&md5=dac62de66b9e768fa57a00ae0cef907f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	22113797
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at s =13 TeV	2019	Physical Review Letters	123	23	231803		30	10.1103/PhysRevLett.123.231803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076638339&doi=10.1103%2fPhysRevLett.123.231803&partnerID=40&md5=a53de1d1497dfa7c09dd86f178bc16a9	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in p p collisions at √s=8TeV	2019	European Physical Journal C	79	11	969		8	10.1140/epjc/s10052-019-7451-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075553506&doi=10.1140%2fepjc%2fs10052-019-7451-7&partnerID=40&md5=4a7cc4c61beed0b9e8341393ab15ef06	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Mishra S.; Gopal-Krishna; Chand H.; Chand K.; Ojha V.	Are there broad absorption-line blazars	2019	Monthly Notices of the Royal Astronomical Society: Letters	489	1		L42	7	10.1093/mnrasl/slz122	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084319591&doi=10.1093%2fmnrasl%2fslz122&partnerID=40&md5=73e347102c25b45524f00782b3a86761	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	17453925
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of differential Z boson production cross sections in proton-proton collisions at √s = 13 TeV	2019	Journal of High Energy Physics	2019	12	61		68	10.1007/JHEP12(2019)061	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076496456&doi=10.1007%2fJHEP12%282019%29061&partnerID=40&md5=588f4f2c4f450a32a024d7d736d3543f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for resonances decaying to a pair of Higgs bosons in the b b ¯ q q ¯ ′ℓν final state in proton-proton collisions at √s = 13 TeV	2019	Journal of High Energy Physics	2019	10	125		19	10.1007/JHEP10(2019)125	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074489992&doi=10.1007%2fJHEP10%282019%29125&partnerID=40&md5=7034d537173bdf406a3b330db7ab9146	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Kundu R.; Fernández-Trincado J.G.; Minniti D.; Singh H.P.; Moreno E.; Reylé C.; Robin A.C.; Soto M.	The tale of the Milky Way globular cluster NGC 6362 – I. The orbit and its possible extended star debris features as revealed by Gaia DR2	2019	Monthly Notices of the Royal Astronomical Society	489	4		4565	12	10.1093/mnras/stz2500	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075261086&doi=10.1093%2fmnras%2fstz2500&partnerID=40&md5=93ce627fc5805064cb8b43f432133a3e	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Dhull N.; Kaur G.; Jain P.; Mishra P.; Singh D.; Ganju L.; Gupta V.; Tomar M.	Label-free amperometric biosensor for Escherichia coli O157:H7 detection	2019	Applied Surface Science	495		143548		38	10.1016/j.apsusc.2019.143548	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070105570&doi=10.1016%2fj.apsusc.2019.143548&partnerID=40&md5=1b5e520d2952f927fe7cf5740f804879	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1694332
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	796			131	38	10.1016/j.physletb.2019.07.013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069577352&doi=10.1016%2fj.physletb.2019.07.013&partnerID=40&md5=74bf17cb08be7b9cf1938211ed3f3eb1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Goyal A.; Islam R.; Kumar M.	Dark matter in the Randall-Sundrum model with non-universal coupling	2019	Journal of High Energy Physics	2019	10	50		13	10.1007/JHEP10(2019)050	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073564499&doi=10.1007%2fJHEP10%282019%29050&partnerID=40&md5=b48e050da943b2cf5a1ae2209dfd15ce	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Goyal R.; Lamba S.; Annapoorni S.	Modelling of strain induced magnetic anisotropy in Au additive FePt thin films	2019	Progress in Natural Science: Materials International	29	5		517	5	10.1016/j.pnsc.2019.09.001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072761064&doi=10.1016%2fj.pnsc.2019.09.001&partnerID=40&md5=a31998d0df91ac73b8f9eda03b8bbb5c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	10020071
Datta A.; Waite J.; Sachdeva D.	Unified explanation of b →sμ+μ- anomalies, neutrino masses, and B →πK puzzle	2019	Physical Review D	100	5	55015		16	10.1103/PhysRevD.100.055015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073023277&doi=10.1103%2fPhysRevD.100.055015&partnerID=40&md5=9bfe44584fac8e40c9e78a8044c0bd4e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Vimal T.; Agrahari K.; Sonker R.K.; Manohar R.	Investigation of thermodynamical, dielectric and electro-optical parameters of nematic liquid crystal doped with polyaniline and silver nanoparticles	2019	Journal of Molecular Liquids	290		111241		19	10.1016/j.molliq.2019.111241	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068267750&doi=10.1016%2fj.molliq.2019.111241&partnerID=40&md5=9a5ca7eb51f77be79892f11efdd5ac7f	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	1677322
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for pair production of vectorlike quarks in the fully hadronic final state	2019	Physical Review D	100	7	72001		73	10.1103/PhysRevD.100.072001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074320825&doi=10.1103%2fPhysRevD.100.072001&partnerID=40&md5=c730db74e9d8de61488217cd4ef8a38f	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Singh A.K.; Yadav A.N.; Srivastava A.; Haldar K.K.; Tomar M.; Alaferdov A.V.; Moshkalev S.A.; Gupta V.; Singh K.	CdSe/V2O5 core/shell quantum dots decorated reduced graphene oxide nanocomposite for high-performance electromagnetic interference shielding application	2019	Nanotechnology	30	50	505704		16	10.1088/1361-6528/ab4290	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074304633&doi=10.1088%2f1361-6528%2fab4290&partnerID=40&md5=a0ef4bdddb6ee1589406a27c79aeb431	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9574484
Mishra M.; Zhang Y.; Mishra D.; Sahoo M.P.K.; Pradhan P.K.; Pattanaik A.K.	Defect driven d0 ferromagnetism and colossal dielectric behavior in Bi(Zn0.5Ti0.5)O3–PbTiO3 ceramics	2019	Ceramics International	45	17		22948	4	10.1016/j.ceramint.2019.07.338	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072875028&doi=10.1016%2fj.ceramint.2019.07.338&partnerID=40&md5=ec74f3ab918fc7e8fa1cb1ea3eaa7a6e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Saini P.; Sharma B.; Singh M.; Tandon R.P.; Singh S.P.; Mahapatro A.K.	Electrical Properties of Self Sustained Layer of Graphene Oxide and Polyvinylpyriodine Composite	2019	Integrated Ferroelectrics	202	1		197	3	10.1080/10584587.2019.1674837	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077209118&doi=10.1080%2f10584587.2019.1674837&partnerID=40&md5=825cd524ca2c41d273582a1dd6f1101f	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Dhawan R.; Kumar R.; Chaudhary A.; Dhawan S.K.; Dhakate S.R.; Kumari S.	Investigation on pitch derived mesocarbon spheres based metal composites for highly efficient electromagnetic interference shielding	2019	Composites Part B: Engineering	175		107168		15	10.1016/j.compositesb.2019.107168	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068552379&doi=10.1016%2fj.compositesb.2019.107168&partnerID=40&md5=0b5b74743bc05597ba0cd47fb7ea6756	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13598368
Khurana S.; Chandra A.	Ion conducting polymer-silica hybrid ionogels obtained via non-aqueous sol-gel route	2019	Solid State Ionics	340		115027		17	10.1016/j.ssi.2019.115027	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068960368&doi=10.1016%2fj.ssi.2019.115027&partnerID=40&md5=3affc22afde02f323679ce3bb38d1d63	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	1672738
Prasad J.; Singh A.K.; Tomar M.; Gupta V.; Singh K.	Strong electromagnetic wave absorption and microwave shielding in the Ni–Cu@MoS2/rGO composite	2019	Journal of Materials Science: Materials in Electronics	30	20		18666	17	10.1007/s10854-019-02219-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073566142&doi=10.1007%2fs10854-019-02219-7&partnerID=40&md5=f23f5529b01063ae9066e51d2548f69d	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for MSSM Higgs bosons decaying to μ+μ-in proton-proton collisions at √s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	798		134992		28	10.1016/j.physletb.2019.134992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073008960&doi=10.1016%2fj.physletb.2019.134992&partnerID=40&md5=7173017626dceda9c70c396264230e59	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Bhardwaj A.; Kanbur S.; He S.; Rejkuba M.; Matsunaga N.; Grijs R.D.; Sharma K.; Singh H.P.; Baug T.; Ngeow C.-C.; Ou J.-Y.	Multiwavelength Period-Luminosity and Period-Luminosity-Color Relations at Maximum Light for Mira Variables in the Magellanic Clouds	2019	Astrophysical Journal	884	1	20		16	10.3847/1538-4357/ab38c2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073698202&doi=10.3847%2f1538-4357%2fab38c2&partnerID=40&md5=8749ca0137ab17a7686de2c9c4d4682f	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	0004637X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for long-lived particles using delayed photons in proton-proton collisions at s =13 TeV	2019	Physical Review D	100	11	112003		31	10.1103/PhysRevD.100.112003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076552469&doi=10.1103%2fPhysRevD.100.112003&partnerID=40&md5=21aa0a4608a27d6037f99d21f9a14e0d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Choudhury D.; Sachdeva D.	Model independent analysis of MeV scale dark matter. II. Implications from e-e+ colliders and direct detection	2019	Physical Review D	100	7	75007		8	10.1103/PhysRevD.100.075007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074345416&doi=10.1103%2fPhysRevD.100.075007&partnerID=40&md5=28f9aefad5fb9ff88e8741441df5c533	Department of Physics and Astrophysics, University of Delhi	American Physical Society	24700010
Tiwary S.S.; Sharma H.P.; Chakraborty S.; Majumder C.; Singh G.; Mehta D.; Kumar S.; Abhilash S.R.; Kabiraj D.; Singh R.P.; Muralithar S.	Fabrication of isotopic 127I target from potassium iodide for heavy ion nuclear reactions	2019	Vacuum	167			336	5	10.1016/j.vacuum.2019.05.042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067895127&doi=10.1016%2fj.vacuum.2019.05.042&partnerID=40&md5=157918ab78dbafcb1e6b16d2907a6168	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Agarwal D.C.; Singh U.B.; Gupta S.; Singhal R.; Kulriya P.K.; Singh F.; Tripathi A.; Singh J.; Joshi U.S.; Avasthi D.K.	Enhanced room temperature ferromagnetism and green photoluminescence in Cu doped ZnO thin film synthesised by neutral beam sputtering	2019	Scientific Reports	9	1	6675		81	10.1038/s41598-019-43184-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064936413&doi=10.1038%2fs41598-019-43184-9&partnerID=40&md5=f1de3f3cc5567c118b732c7a4f87cb60	Department of Physics and Astrophysics, University of Delhi, ...	Nature Publishing Group	20452322
Dutta S.; Goyal A.; Singh M.P.	Lepto-philic 2-HDM + singlet scalar portal induced fermionic dark matter	2019	Journal of High Energy Physics	2019	7	76		4	10.1007/JHEP07(2019)076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069170475&doi=10.1007%2fJHEP07%282019%29076&partnerID=40&md5=454d7b73fcd7d247e168c27a02093404	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Zhao S.; Jochim B.; Feizollah P.; Rajput J.; Ziaee F.; Kanaka P.R.; Kaderiya B.; Borne K.; Malakar Y.; Berry B.; Harrington J.; Rolles D.; Rudenko A.; Carnes K.D.; Wells E.; Ben-Itzhak I.; Severt T.	Strong-field-induced bond rearrangement in triatomic molecules	2019	Physical Review A	99	5	53412		21	10.1103/PhysRevA.99.053412	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065888441&doi=10.1103%2fPhysRevA.99.053412&partnerID=40&md5=53e4e30118e830cb61f3fca96786d35b	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699926
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at √s = 13 TeV	2019	Journal of High Energy Physics	2019	8	150		27	10.1007/JHEP08(2019)150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073012515&doi=10.1007%2fJHEP08%282019%29150&partnerID=40&md5=95f69874a84d777076000d284c9d145f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Gupta D.; Baluja K.L.; Song M.-Y.	Vibrationally resolved excitation, dissociation, and rotational cross sections of NH radical by electron-impact using the R-matrix method	2019	Physics of Plasmas	26	6	63503		1	10.1063/1.5092357	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066945931&doi=10.1063%2f1.5092357&partnerID=40&md5=77bfe98054c5df3939cf46f60ccfda32	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Gaur A.; Phogat A.; Rafik M.; Kumar A.; Naimuddin M.	Testing and Integration of Front End Electronics for INO-ICAL RPCs	2019	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	936			366	0	10.1016/j.nima.2018.10.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059464379&doi=10.1016%2fj.nima.2018.10.003&partnerID=40&md5=bc3decf41b2c9819f24e26ca75a258ae	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	1689002
Dhull N.; Kaur G.; Gupta V.; Tomar M.	Highly sensitive and non-invasive electrochemical immunosensor for salivary cortisol detection	2019	Sensors and Actuators, B: Chemical	293			281	51	10.1016/j.snb.2019.05.020	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065498188&doi=10.1016%2fj.snb.2019.05.020&partnerID=40&md5=60f458cc6975f5dab31954dccc5ba779	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9254005
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at √s=13Te	2019	European Physical Journal C	79	7	564		52	10.1140/epjc/s10052-019-7058-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068779831&doi=10.1140%2fepjc%2fs10052-019-7058-z&partnerID=40&md5=c5bd2a2999e8105bb7ee9baa98b4e375	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Das D.; Kindra B.; Kumar G.; Mahajan N.	B → K2∗ (1430)+- distributions at large recoil in the Standard Model and beyond	2019	Physical Review D	99	9	93012		8	10.1103/PhysRevD.99.093012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066934516&doi=10.1103%2fPhysRevD.99.093012&partnerID=40&md5=faf01969b7dd3bc1be8cdb525ef15a8d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kumar S.; Kulshreshtha U.; Kulshreshtha D.S.; Kunz J.	Phase diagrams of charged compact boson stars	2019	European Physical Journal C	79	6	496		5	10.1140/epjc/s10052-019-7006-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067282442&doi=10.1140%2fepjc%2fs10052-019-7006-y&partnerID=40&md5=0cdd2c8e8d39a768b4e223961871d8b6	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Pandey I.; Chandra A.	Redox-initiated diffusion-limited aggregation in biopolymer	2019	Physica Scripta	94	11	115013		4	10.1088/1402-4896/ab2af8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071604630&doi=10.1088%2f1402-4896%2fab2af8&partnerID=40&md5=d4a476e52b7a6141948d3d946416a6cc	Department of Physics and Astrophysics, University of Delhi	Institute of Physics Publishing	318949
Kabir R.; Mukherjee A.; Lohiya D.	Reheating constraints on Kähler moduli inflation	2019	Modern Physics Letters A	34	15	1950114		4	10.1142/S0217732319501141	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064093289&doi=10.1142%2fS0217732319501141&partnerID=40&md5=04087e485df7c65168d539b75e2e1362	Department of Physics and Astrophysics, University of Delhi	World Scientific Publishing Co. Pte Ltd	2177323
Kapoor K.; Bansal N.; Sharma C.; Verma S.; Rani K.; Mahajan R.; Behera B.R.; Singh K.P.; Kumar A.; Singh H.; Dubey R.; Saneesh N.; Kumar M.; Yadav A.; Jhingan A.; Sugathan P.; Nayak B.K.; Saxena A.; Sharma H.P.; Chamoli S.K.	Role of viscosity in fusion-fission dynamics via simultaneously measured neutron and α -particle multiplicities	2019	Physical Review C	100	1	14620		2	10.1103/PhysRevC.100.014620	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070550673&doi=10.1103%2fPhysRevC.100.014620&partnerID=40&md5=2e4bb5002025187b99b4a3de0320288b	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at √s = 13 TeV via Higgs boson decays to τ leptons	2019	Journal of High Energy Physics	2019	6	93		17	10.1007/JHEP06(2019)093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067663945&doi=10.1007%2fJHEP06%282019%29093&partnerID=40&md5=864b5af581f575a386ddd5dfbaad1528	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Yadav N.; Yadav N.; Singh M.K.; Hashmi S.A.	Nonaqueous, Redox-Active Gel Polymer Electrolyte for High-Performance Supercapacitor	2019	Energy Technology	7	9	1900132		33	10.1002/ente.201900132	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066475302&doi=10.1002%2fente.201900132&partnerID=40&md5=f1e85d5b1a509809fe1be69bf084835b	Department of Physics and Astrophysics, University of Delhi	Wiley-VCH Verlag	21944288
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Studies of Beauty Suppression via Nonprompt D0 Mesons in Pb-Pb Collisions at sNN =5.02 TeV	2019	Physical Review Letters	123	2	22001	1Dummy	33	10.1103/PhysRevLett.123.022001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071199713&doi=10.1103%2fPhysRevLett.123.022001&partnerID=40&md5=f2a9cc8f2e93a675fc21d4a8c11145dd	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	795			76	10	10.1016/j.physletb.2019.05.046	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066999169&doi=10.1016%2fj.physletb.2019.05.046&partnerID=40&md5=06d758ad7af9b69a78158735ff955ac0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Srivastava N.; Rathour R.; Jha S.; Pandey K.; Srivastava M.; Thakur V.K.; Sengar R.S.; Gupta V.K.; Mazumder P.B.; Khan A.F.; Mishra P.K.	Microbial beta glucosidase enzymes: Recent advances in biomass conversation for biofuels application	2019	Biomolecules	9	6	220		68	10.3390/biom9060220	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067537788&doi=10.3390%2fbiom9060220&partnerID=40&md5=1021da47993a1ff1469a333c109a2cb1	Department of Physics and Astrophysics, University of Delhi, ...	MDPI AG	2218273X
Sen P.; Indumathi D.; Choudhury D.	Infrared finiteness of a thermal theory of scalar electrodynamics to all orders	2019	European Physical Journal C	79	6	532		3	10.1140/epjc/s10052-019-7001-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067862805&doi=10.1140%2fepjc%2fs10052-019-7001-3&partnerID=40&md5=85f68689602b74afa6a8ef2bdc031811	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Banerjee A.; Mandal S.; Roy P.; Mukhopadhyay S.; Mukherjee G.; Kumar M.; Jhingan A.; Palit R.	A compact scintillator based position sensitive detector system for gamma ray tracking applications	2019	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	930			100	3	10.1016/j.nima.2019.01.096	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063866500&doi=10.1016%2fj.nima.2019.01.096&partnerID=40&md5=e9191414be5b79f54d2ec4d2f9a84699	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Choudhury S.R.; Mahajan S.	Direct calculation of time varying Aharonov-Bohm effect	2019	Physics Letters, Section A: General, Atomic and Solid State Physics	383	21		2467	5	10.1016/j.physleta.2019.05.008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065612990&doi=10.1016%2fj.physleta.2019.05.008&partnerID=40&md5=f51cda6c8bbf837d9b729a85b0f4e249	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3759601
Kumari N.; Monga S.; Arif M.; Sharma N.; Sanger A.; Singh A.; Vilarinho P.M.; Gupta V.; Sreenivas K.; Katiyar R.S.; Scott J.F.	Multifunctional behavior of acceptor-cation substitution at higher doping concentration in PZT ceramics	2019	Ceramics International	45	10		12716	24	10.1016/j.ceramint.2019.03.138	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064231130&doi=10.1016%2fj.ceramint.2019.03.138&partnerID=40&md5=f982b2bc4ddbb39cbc02fa6dd3062454	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842

Naqvi F.; Simon A.; Guttormsen M.; Schwengner R.; Frauendorf S.; Reingold C.S.; Burke J.T.; Cooper N.; Hughes R.O.; Ota S.; Saastamoinen A.	Nuclear level densities and γ -ray strength functions in samarium isotopes	2019	Physical Review C	99	5	54331		11	10.1103/PhysRevC.99.054331	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066449525&doi=10.1103%2fPhysRevC.99.054331&partnerID=40&md5=9c867ffe8e7445945aa0f75782d3da2a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Budhiraja N.; Sapna; Kumar V.; Tomar M.; Gupta V.; Singh S.K.	Investigation on Physical Properties of Sn-Modified Cubic Cu2O Nanostructures	2019	Journal of Superconductivity and Novel Magnetism	32	6		1671	1	10.1007/s10948-018-4858-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053440857&doi=10.1007%2fs10948-018-4858-6&partnerID=40&md5=92c96d5a3769f7e5cce86a3491be1734	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	15571939
Bhattacharya S.; Trivedi T.; Negi D.; Singh R.P.; Muralithar S.; Palit R.; Ragnarsson I.; Nag S.; Rajbanshi S.; Raju M.K.; Parkar V.V.; Mohanto G.; Kumar S.; Choudhury D.; Kumar R.; Bhowmik R.K.; Pancholi S.C.; Jain A.K.	Evolution of collectivity and evidence of octupole correlations in Br 73	2019	Physical Review C	100	1	14315		19	10.1103/PhysRevC.100.014315	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069936253&doi=10.1103%2fPhysRevC.100.014315&partnerID=40&md5=a2c839de3f5fb7703fbc00de6a1456d7	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for charged Higgs bosons in the H± ? t ± ?t decay channel in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	7	142		86	10.1007/JHEP07(2019)142	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069849945&doi=10.1007%2fJHEP07%282019%29142&partnerID=40&md5=9789565f54bd8c8d2bec7334c532c69f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Kaur S.; Baluja K.L.; Singh J.; Bharadvaja A.	Vibrationally-resolved excitation and dissociation collision strengths of AlO+ by electron-impact using the R-matrix method	2019	European Physical Journal D	73	7	142		0	10.1140/epjd/e2019-90581-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068801195&doi=10.1140%2fepjd%2fe2019-90581-6&partnerID=40&md5=bc419233e0d70b2bd4d6ccbc8675f815	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media, LLC	14346060
Singh A.K.; Dawra D.; Dimri M.; Jha A.K.S.; Mohan M.	Relativistic R-matrix calculations of photoionization cross sections of Cu XVIII	2019	European Physical Journal D	73	5	85		4	10.1140/epjd/e2019-90464-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065299837&doi=10.1140%2fepjd%2fe2019-90464-x&partnerID=40&md5=c53cd6e58ed25369b5bac568ef56ee2b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media, LLC	14346060
Budhiraja N.; Sapna; Kumar V.; Tomar M.; Gupta V.; Singh S.K.	Multifunctional CuO Nanosheets for High-Performance Supercapacitor Electrodes with Enhanced Photocatalytic Activity	2019	Journal of Inorganic and Organometallic Polymers and Materials	29	4		1067	26	10.1007/s10904-018-0995-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055294622&doi=10.1007%2fs10904-018-0995-4&partnerID=40&md5=368e161455f854cedd6dd25d5fbd7e89	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	15741443
Sikarwar S.; Yadav B.C.; Sonker R.K.; Dzhardimalieva G.I.; Rajput J.K.	Synthesis and characterization of highly porous hexagonal shaped CeO 2 -Gd 2 O 3 -CoO nanocomposite and its opto-electronic humidity sensing	2019	Applied Surface Science	479			326	27	10.1016/j.apsusc.2019.02.108	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061624818&doi=10.1016%2fj.apsusc.2019.02.108&partnerID=40&md5=8adad40573f15b0323e9696e8e3a014b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1694332
Bharadvaja A.; Kaur S.; Baluja K.L.	A comparative study of electron-impact cross sections of C 4 F 6 isomers from 15 to 5000 eV	2019	Physics of Plasmas	26	6	63506		6	10.1063/1.5097215	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067249753&doi=10.1063%2f1.5097215&partnerID=40&md5=d58ab4f847c646e3789299e871ececd1	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X

Jain G.; Sharma S.; Jain C.; Kumar A.; Bhardwaj A.; Ranjan K.	Radiation hardness investigation of thin and low resistivity bulk Si detectors	2019	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	936			693	2	10.1016/j.nima.2018.09.108	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055042122&doi=10.1016%2fj.nima.2018.09.108&partnerID=40&md5=bc769a6406be29e7fcbcffd4967844cf	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Bangruwa J.S.; Kumar S.; Chauhan A.; Kumar P.; Verma V.	Modified Magnetic and Electrical Properties of Perovskite-Spinel Multiferroic Composites	2019	Journal of Superconductivity and Novel Magnetism	32	8		2559	7	10.1007/s10948-018-4986-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059894308&doi=10.1007%2fs10948-018-4986-z&partnerID=40&md5=8fe4e4b39d060644793af0451e3ee666	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	15571939
Mandlik N.; Dhole S.D.; Sahare P.D.; Bakare J.S.; Balraj A.; Bhatt B.C.	Thermoluminescence studies of CaSO 4 :Dy nanophosphor for application in high dose measurements	2019	Applied Radiation and Isotopes	148			253	13	10.1016/j.apradiso.2019.03.015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064553013&doi=10.1016%2fj.apradiso.2019.03.015&partnerID=40&md5=5cc184ae3e731b4cf7237df5eaacd9a8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9698043
Sonia; Vijayan N.; Vij M.; Yadav H.; Kumar R.; Sur D.; Singh B.; Martin Britto Dhas S.A.; Verma S.	Evaluation of structural, optical and mechanical behaviour of L-argininium bis(trifluoroacetate) single crystal: An efficient organic material for second harmonic generation applications	2019	Journal of Physics and Chemistry of Solids	129			401	10	10.1016/j.jpcs.2019.02.002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061367916&doi=10.1016%2fj.jpcs.2019.02.002&partnerID=40&md5=fed2e1fc71beca74fb660b61a53936b3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697
Kumar R.; Jain H.; Chaudhary A.; Kumari S.; Mondal D.P.; Srivastava A.K.	Thermal conductivity and fire-retardant response in graphite foam made from coal tar pitch derived semi coke	2019	Composites Part B: Engineering	172			121	20	10.1016/j.compositesb.2019.05.036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066158525&doi=10.1016%2fj.compositesb.2019.05.036&partnerID=40&md5=f779faee06145cf78cc25a630acb0441	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13598368
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the production of W±W±W events at s =13 TeV	2019	Physical Review D	100	1	12004		18	10.1103/PhysRevD.100.012004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072104933&doi=10.1103%2fPhysRevD.100.012004&partnerID=40&md5=d05910d8f7a56b5c332e6e7730bd15a8	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Negi S.; Prasad A.; Chandra A.	Chaotic Behavior of Ionic Transportation Through Synthetic Ion Channels	2019	International Journal of Bifurcation and Chaos	29	8	1950107		2	10.1142/S0218127419501074	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073907713&doi=10.1142%2fS0218127419501074&partnerID=40&md5=ec504566ba8009d61cffbc93ade4cce3	Department of Physics and Astrophysics, University of Delhi	World Scientific Publishing Co. Pte Ltd	2181274
Dastidar R.; Misra K.; Singh M.; Sahu D.K.; Pastorello A.; Gangopadhyay A.; Tomasella L.; Benetti S.; Terreran G.; Sanwal P.; Kumar B.; Singh A.; Kumar B.; Anupama G.C.; Pandey S.B.	SN 2016B a.k.a. ASASSN-16ab: A transitional Type II supernova	2019	Monthly Notices of the Royal Astronomical Society	486	2		2850	4	10.1093/mnras/stz949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067986201&doi=10.1093%2fmnras%2fstz949&partnerID=40&md5=54791d68cc323ca69fa4eb91db77c25c	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	An embedding technique to determine ττ backgrounds in proton-proton collision data	2019	Journal of Instrumentation	14	6	P06032		13	10.1088/1748-0221/14/06/P06032	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069663308&doi=10.1088%2f1748-0221%2f14%2f06%2fP06032&partnerID=40&md5=90987d28a8a73cdb89d310b276557f6e	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	17480221

Joseph A.J.; Sinha N.; Goel S.; Hussain A.; Yadav H.; Kumar B.	New quaternary BNT–BT–PMN–PT ceramic: ferro-/piezo-/pyroelectric characterizations	2019	Journal of Materials Science: Materials in Electronics	30	13		12729	7	10.1007/s10854-019-01637-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067069822&doi=10.1007%2fs10854-019-01637-x&partnerID=40&md5=3b695257158f0732d19fcf3b010cf34b	Department of Physics and Astrophysics, University of Delhi	Springer New York LLC	9574522
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Observation of seasonal variation of atmospheric multiple-muon events in the NOvA Near Detector	2019	Physical Review D	99	12	122004		8	10.1103/PhysRevD.99.122004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068995762&doi=10.1103%2fPhysRevD.99.122004&partnerID=40&md5=d4806003e8a5b3a9dbfd10d31be5b6c9	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Batra K.; Sinha N.; Kumar B.	Sunset yellow dye doped ammonium dihydrogen phosphate single crystals with enhanced optical, mechanical and piezoelectric properties	2019	Journal of Materials Science: Materials in Electronics	30	16		14902	9	10.1007/s10854-019-01861-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069212581&doi=10.1007%2fs10854-019-01861-5&partnerID=40&md5=e4232c0bc071c99efd579695d5abe865	Department of Physics and Astrophysics, University of Delhi	Springer New York LLC	9574522
Gill N.; Sharma A.L.; Gupta V.; Tomar M.; Pandey O.P.; Singh D.P.	Enhanced microwave absorption and suppressed reflection of polypyrrole-cobalt ferrite-graphene nanocomposite in X-band	2019	Journal of Alloys and Compounds	797			1190	42	10.1016/j.jallcom.2019.05.176	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066089679&doi=10.1016%2fj.jallcom.2019.05.176&partnerID=40&md5=70ad4897947561d8eb461ca2b4633c2a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Pandey M.K.; Dasgupta C.N.; Mishra S.; Srivastava M.; Gupta V.K.; Suseela M.R.; Ramteke P.W.	Bioprospecting microalgae from natural algal bloom for sustainable biomass and biodiesel production	2019	Applied Microbiology and Biotechnology	103	13		5447	21	10.1007/s00253-019-09856-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066018979&doi=10.1007%2fs00253-019-09856-2&partnerID=40&md5=e4c06db4ff1ad8006017e9c61aa2b379	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	1757598
Bhardwaj A.; Panwar N.; Herczeg G.J.; Chen W.P.; Singh H.P.	Variability of young stellar objects in the star-forming region Pelican Nebula	2019	Astronomy and Astrophysics	627		A135		15	10.1051/0004-6361/201935418	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069433332&doi=10.1051%2f0004-6361%2f201935418&partnerID=40&md5=94cb96f8ef8ee07dede15c0199b6318	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Paliwal A.; Sharma A.; Guo R.; Bhalla A.S.; Gupta V.; Tomar M.	Electro-optic (EO) effect in proton-exchanged lithium niobate: towards EO modulator	2019	Applied Physics B: Lasers and Optics	125	7	115		6	10.1007/s00340-019-7227-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066957479&doi=10.1007%2fs00340-019-7227-7&partnerID=40&md5=3a5836519367d024540151fc513a5e7a	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	9462171
Jain G.; Jain C.; Kumar A.; Sisodia A.; Sharma S.; Saxena M.; Bhardwaj A.; Ranjan K.	Development of an automated and programmable characterization system for silicon multi-strip sensors	2019	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	936			663	0	10.1016/j.nima.2018.10.115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055747083&doi=10.1016%2fj.nima.2018.10.115&partnerID=40&md5=4dd9193ed244ccebc396ac2b06ea4647	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the $t\bar{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s}$=13Te	2019	European Physical Journal C	79	5	368		70	10.1140/epjc/s10052-019-6863-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065028824&doi=10.1140%2fepjc%2fs10052-019-6863-8&partnerID=40&md5=d8395206fc93e7379779457141db745b	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Bajpai K.K.; Sreenivas K.; Gupta A.K.; Shukla A.K.	Cr-doped lead lanthanum zirconate titanate (PLZT) ceramics for pyroelectric and energy harvesting device applications	2019	Ceramics International	45	11		14111	11	10.1016/j.ceramint.2019.04.111	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064398843&doi=10.1016%2fj.ceramint.2019.04.111&partnerID=40&md5=810db576d5d566a66b8193d19605b110	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV	2019	Journal of High Energy Physics	2019	6	143		18	10.1007/JHEP06(2019)143	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068792192&doi=10.1007%2fJHEP06%282019%29143&partnerID=40&md5=960438738fccec6fa31c8128b9e8d1cd	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of exclusive ρ(770)0 photoproduction in ultraperipheral pPb collisions at √sNN=5.02Te	2019	European Physical Journal C	79	8	702		33	10.1140/epjc/s10052-019-7202-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071149423&doi=10.1140%2fepjc%2fs10052-019-7202-9&partnerID=40&md5=caf565e276332143f1756b61399bd7d6	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Singh A.K.; Dawra D.; Dimri M.; Jha A.K.S.; Mohan M.	Relativistic atomic structure calculations and study of plasma parameters for Na-like Se XXIV	2019	Physics of Plasmas	26	6	62704		7	10.1063/1.5100565	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066992565&doi=10.1063%2f1.5100565&partnerID=40&md5=340ba54d96aa4860d75b8a3db90319cd	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the energy density as a function of pseudorapidity in proton–proton collisions at √s=13TeV	2019	European Physical Journal C	79	5	391		12	10.1140/epjc/s10052-019-6861-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065489028&doi=10.1140%2fepjc%2fs10052-019-6861-x&partnerID=40&md5=67ce6e998b7823db8e9d9e37205c89d7	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Bassi M.; Bharadvaja A.; Baluja K.L.	Elastic and vibrationally-resolved excitation cross sections for electron impact with MgF radical using R-matrix	2019	European Physical Journal D	73	8	187		1	10.1140/epjd/e2019-100057-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071615044&doi=10.1140%2fepjd%2fe2019-100057-0&partnerID=40&md5=375aea527d9ceaa46e23a6aa5959aeac	Formerly at Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media, LLC	14346060
Kumar S.; Gopal K.; Gupta D.N.	Proton acceleration from overdense plasma target interacting with shaped laser pulses in the presence of preplasmas	2019	Plasma Physics and Controlled Fusion	61	8	85001		13	10.1088/1361-6587/ab216e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070777967&doi=10.1088%2f1361-6587%2fab216e&partnerID=40&md5=0900c84266118427e85f84ead8d5d6a6	Department of Physics and Astrophysics, University of Delhi	Institute of Physics Publishing	7413335
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of the Higgs boson width and anomalous HVV couplings from on-shell and off-shell production in the four-lepton final state	2019	Physical Review D	99	11			108	10.1103/PhysRevD.99.112003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070271666&doi=10.1103%2fPhysRevD.99.112003&partnerID=40&md5=9f35cf9193bacc7db26c74c7a93c18fc	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Choudhari T.; Deo N.	Effect of hexagonal warping of the Fermi surface on the thermoelectric properties of a topological insulator irradiated with linearly polarized radiation	2019	Physical Review B	100	3	35303		2	10.1103/PhysRevB.100.035303	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073650500&doi=10.1103%2fPhysRevB.100.035303&partnerID=40&md5=9aaa5acb9a9a8596baf96ec0806277c4	Department of Physics and Astrophysics, University of Delhi	American Physical Society	24699950
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of inclusive very forward jet cross sections in proton-lead collisions at √sNN = 5.02 TeV	2019	Journal of High Energy Physics	2019	5	43		11	10.1007/JHEP05(2019)043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065676094&doi=10.1007%2fJHEP05%282019%29043&partnerID=40&md5=9eb59fc5b1e45b9652e93ab4ce2cdd31	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Kavita; Golda K.S.; Ghosh T.K.; Jhingan A.; Sugathan P.; Chatterjee A.; Behera B.R.; Kumar A.; Kumar R.; Saneesh N.; Kumar M.; Yadav A.; Yadav C.; Kumar N.; Banerjee A.; Rani A.; Duggi S.K.; Dubey R.; Rani K.; Noor S.; Acharya J.; Singh H.	Fusion-fission dynamics of Pt 188,190 through fission fragment mass distribution measurements	2019	Physical Review C	100	2	24626		7	10.1103/PhysRevC.100.024626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072101065&doi=10.1103%2fPhysRevC.100.024626&partnerID=40&md5=c6d315fa1a45fec8177cafee38fcae24	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Pandey I.; Chandra A.	Factors affecting fractal patterns obtained by electroless deposition in polymer	2019	Materials Research Express	6	10	105307		4	10.1088/2053-1591/ab34ae	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071586244&doi=10.1088%2f2053-1591%2fab34ae&partnerID=40&md5=14cf47704c71e4048e986a172d89c97b	Department of Physics and Astrophysics, University of Delhi	Institute of Physics Publishing	20531591
Rohilla A.; Singh R.P.; Muralithar S.; Kumar A.; Govil I.M.; Chamoli S.K.	Lifetime measurements in the yrast band of Lu 167	2019	Physical Review C	100	2	24325		3	10.1103/PhysRevC.100.024325	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070917158&doi=10.1103%2fPhysRevC.100.024325&partnerID=40&md5=bb30ef4bdf76c74a11961e34c8d051ea	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at s=8 and 13 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	793			320	72	10.1016/j.physletb.2019.03.064	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065162337&doi=10.1016%2fj.physletb.2019.03.064&partnerID=40&md5=843fc96ba2cb67ed8eb1e6d139b1eb9a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in events with a photon, jets, b -jets, and missing transverse momentum in proton–proton collisions at 13 Te	2019	European Physical Journal C	79	5	444		16	10.1140/epjc/s10052-019-6926-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066261684&doi=10.1140%2fepjc%2fs10052-019-6926-x&partnerID=40&md5=01b16385c43265d7940d5a049fc66f38	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Choudhury D.; Sachdeva D.	Model independent analysis of MeV scale dark matter: Cosmological constraints	2019	Physical Review D	100	3	35007		7	10.1103/PhysRevD.100.035007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072227206&doi=10.1103%2fPhysRevD.100.035007&partnerID=40&md5=8d97b4ed10ab2c9fbd27a95676c39523	Department of Physics and Astrophysics, University of Delhi	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for an Lμ − Lτ gauge boson using $Z \rightarrow 4\mu$ events in proton-proton collisions at s=13 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	792			345	76	10.1016/j.physletb.2019.01.072	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064326204&doi=10.1016%2fj.physletb.2019.01.072&partnerID=40&md5=d4b959bf42aa31c63c46e667c1072c4c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sonker R.K.; Yadav B.C.; Gupta V.; Tomar M.	Fabrication and characterization of ZnO-TiO 2 -PANI (ZTP) micro/nanoballs for the detection of flammable and toxic gases	2019	Journal of Hazardous Materials				126	75	10.1016/j.jhazmat.2018.10.016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055577975&doi=10.1016%2fj.jhazmat.2018.10.016&partnerID=40&md5=31bb9c0c229ddf61eb3df41df868aba6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3043894
Singh K.; Chattopadhyay I.	Effect of plasma composition on magnetized outflows	2019	Monthly Notices of the Royal Astronomical Society	486	3		3506	5	10.1093/mnras/stz1072	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072267981&doi=10.1093%2fmnras%2fstz1072&partnerID=40&md5=da9cd2dabef586e392fc301236616ec7	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711

Saha S.; Palit R.; Sethi J.; Biswas S.; Singh P.; Nag S.; Singh A.K.; Ragnarsson I.; Babra F.S.; Garg U.; Goswami A.; Ideguchi E.; Jain H.C.; Kumar S.; Laskar M.S.R.; Mukherjee G.; Naik Z.; Palshetkar C.S.	Observation of rotation about the longest principal axis in Zr 89	2019	Physical Review C	99	5	54301		6	10.1103/PhysRevC.99.054301	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065321971&doi=10.1103%2fPhysRevC.99.054301&partnerID=40&md5=a96fcfab1f600135f8d4659e633b7ce6	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at √sNN = 5.02 TeV	2019	Physical Review C	100	2	24902		9	10.1103/PhysRevC.100.024902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071933340&doi=10.1103%2fPhysRevC.100.024902&partnerID=40&md5=990b366bbc2dc999c66d8315d9a77408	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Singh A.K.; Kumar A.; Srivastava A.; Yadav A.N.; Haldar K.; Gupta V.; Singh K.	Lightweight reduced graphene oxide-ZnO nanocomposite for enhanced dielectric loss and excellent electromagnetic interference shielding	2019	Composites Part B: Engineering	172			234	46	10.1016/j.compositesb.2019.05.062	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066145527&doi=10.1016%2fj.compositesb.2019.05.062&partnerID=40&md5=13c8d0a370ec7489e5e3423f1ade29cd	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13598368
Pal R.; Goyal S.L.; Gupta V.; Rawal I.	MnO2-Magnetic Core-Shell Structured Polyaniline Dependent Enhanced EMI Shielding Effectiveness: A Study of VRH Conduction	2019	ChemistrySelect	4	31		9194	25	10.1002/slct.201901199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070955845&doi=10.1002%2fslct.201901199&partnerID=40&md5=44ea68ebd4b6da8f9ba833b11facd2e3	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-Blackwell	23656549
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement and interpretation of differential cross sections for Higgs boson production at s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	792			369	65	10.1016/j.physletb.2019.03.059	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064311597&doi=10.1016%2fj.physletb.2019.03.059&partnerID=40&md5=de0d4527e837bc1c5d14c14eab0eb8b0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Shah A.; Sharma A.; Kumar A.; Merlin J.; Naimuddin M.	Impact of single-mask hole asymmetry on the properties of GEM detectors	2019	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	936			459	12	10.1016/j.nima.2018.11.017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057602339&doi=10.1016%2fj.nima.2018.11.017&partnerID=40&md5=edf533351dedcdce37609f51e64ff191	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Vittone E.; Garcia Lopez J.; Jaksic M.; Jimenez Ramos M.C.; Lohstroh A.; Pastuovic Z.; Rath S.; Siegele R.; Skukan N.; Vizkelethy G.; Simon A.	Determination of radiation hardness of silicon diodes	2019	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	449			6	4	10.1016/j.nimb.2019.04.032	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064327023&doi=10.1016%2fj.nimb.2019.04.032&partnerID=40&md5=e37cf3702284aee0924c238fbc558be8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	0168583X
Sharma P.; Behera B.R.; Abhilash S.R.; Kabiraj D.; Gupta C.K.; Duggal H.	Fabrication of thin sandwiched 142,150Nd targets for HYRA spectrometer experiments	2019	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	935			65	2	10.1016/j.nima.2019.04.101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065521192&doi=10.1016%2fj.nima.2019.04.101&partnerID=40&md5=76b0fd0c7543582372462025122d3900	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Nehra K.; Pandian S.K.; Byram C.; Moram S.S.B.; Soma V.R.	Quantitative Analysis of Catalysis and SERS Performance in Hollow and Star-Shaped Au Nanostructures	2019	Journal of Physical Chemistry C	123	26		16210	21	10.1021/acs.jpcc.9b03086	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068192710&doi=10.1021%2facs.jpcc.9b03086&partnerID=40&md5=04a322f5e91ccab3e618d088c74e1999	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	19327447

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	795			398	50	10.1016/j.physletb.2019.06.021	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067981296&doi=10.1016%2fj.physletb.2019.06.021&partnerID=40&md5=e1602a02b1004f23a4ae8b09afc5c55b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Choudhary S.; Annapoorni S.; Malik R.	Evolution and growth mechanism of hexagonal ZnO nanorods and their LPG sensing response at low operating temperature	2019	Sensors and Actuators, A: Physical	293			207	19	10.1016/j.sna.2019.04.048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065147192&doi=10.1016%2fj.sna.2019.04.048&partnerID=40&md5=45156ab8df081ba48906b27f26d170dc	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9244247
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a W′ boson decaying to a τ lepton and a neutrino in proton-proton collisions at s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	792			107	42	10.1016/j.physletb.2019.01.069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063392269&doi=10.1016%2fj.physletb.2019.01.069&partnerID=40&md5=3711953deccb8d8b3caf482cad5bccb1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Gola M.; Malhotra S.; Kumar A.; Naimuddin M.	Stability tests performed on the triple GEM detector built using commercially manufactured GEM foils in India	2019	Journal of Instrumentation	14	8	P08004		4	10.1088/1748-0221/14/08/P08004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072705328&doi=10.1088%2f1748-0221%2f14%2f08%2fP08004&partnerID=40&md5=7bf65fcf1e78c22b5dfa945b831dc869	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	17480221
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	795			281	58	10.1016/j.physletb.2019.05.042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067308180&doi=10.1016%2fj.physletb.2019.05.042&partnerID=40&md5=82331854d7ccfccbd109981be60f6145	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Hussain A.; Sinha N.; Goel S.; Joseph A.J.; Kumar B.	Y3+ doped 0.64PMN-0.36PT ceramic for energy scavenging applications: Excellent piezo-/ferro-response with the investigations of true-remanent polarization and resistive leakage	2019	Journal of Alloys and Compounds	790			274	13	10.1016/j.jallcom.2019.03.144	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063079503&doi=10.1016%2fj.jallcom.2019.03.144&partnerID=40&md5=800cf7c66d7ae2a55a47dd7af8e10b3a	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	9258388
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at s =13 TeV	2019	Physical Review D	99	9	92005		23	10.1103/PhysRevD.99.092005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072103422&doi=10.1103%2fPhysRevD.99.092005&partnerID=40&md5=7fb387eadd12018b8a5429493652c150	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sharma M.; Mishra D.; Kumar J.	First-principles study of the structural and electronic properties of bulk ZnS and small Znn Sn nanoclusters in the framework of the DFT+U method	2019	Physical Review B	100	4	45151		15	10.1103/PhysRevB.100.045151	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070483371&doi=10.1103%2fPhysRevB.100.045151&partnerID=40&md5=8b087c4fb00b53f9fa5572531fff8415	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699950
Mishra P.; Singh D.; Mishra K.P.; Kaur G.; Dhull N.; Tomar M.; Gupta V.; Kumar B.; Ganju L.	Rapid antibiotic susceptibility testing by resazurin using thin film platinum as a bio-electrode	2019	Journal of Microbiological Methods	162			69	19	10.1016/j.mimet.2019.05.009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066102180&doi=10.1016%2fj.mimet.2019.05.009&partnerID=40&md5=cbc9b2155833d670cd6f1d9e136b2cde	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1677012
Dewan S.; Tomar M.; Tandon R.P.; Gupta V.	In-situ and post deposition analysis of laser MBE deposited GaN films at varying nitrogen gas flow	2019	Vacuum	164			72	10	10.1016/j.vacuum.2019.02.053	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062732451&doi=10.1016%2fj.vacuum.2019.02.053&partnerID=40&md5=5f883c1ab6f98d01a8eb12d31b0f9345	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X

Banerjee A.; Umapathy G.R.; Abhilash S.R.; Ojha S.; Unnati; Kabiraj D.; Mandal S.	Effects of varying ion flux on high vacuum evaporated erbium thin films	2019	Vacuum	165			68	4	10.1016/j.vacuum.2019.04.005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064074217&doi=10.1016%2fj.vacuum.2019.04.005&partnerID=40&md5=d9138e26db2b9661f2ac0b14eec6bbef	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a low-mass τ − τ + resonance in association with a bottom quark in proton-proton collisions at √s = 13 TeV	2019	Journal of High Energy Physics	2019	5	210		18	10.1007/JHEP05(2019)210	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067362960&doi=10.1007%2fJHEP05%282019%29210&partnerID=40&md5=b8ceb172c0537f2c59fed315a422c86e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Combined measurements of Higgs boson couplings in proton–proton collisions at √s=13Te	2019	European Physical Journal C	79	5	421		389	10.1140/epjc/s10052-019-6909-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066045697&doi=10.1140%2fepjc%2fs10052-019-6909-y&partnerID=40&md5=57421b384b6474a4bcbdf0cf83bb55d2	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	793			520	235	10.1016/j.physletb.2019.04.025	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064612342&doi=10.1016%2fj.physletb.2019.04.025&partnerID=40&md5=aa1c56dd10a1421371355dc87a54e569	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Abdelaziz A.H.M.; Kumar P.; Sarma A.K.	Effective focusing of a diverging atomic beam by a sequence of alternatively chirped few-cycle pulsed laser fields	2019	Physical Review A	99	2	23408		0	10.1103/PhysRevA.99.023408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061232596&doi=10.1103%2fPhysRevA.99.023408&partnerID=40&md5=306e7d702ecd497a0b89355b9da96f0a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699926
Bhat M.Y.; Hashmi S.A.	Solid-state pseudocapacitors based on MnO2-nanorod-electrodes and plastic crystal incorporated gel polymer electrolyte: synergistic effect of Li-salt addition in electrolyte and morphology of electrodes	2019	Journal of Solid State Electrochemistry	23	2		591	7	10.1007/s10008-018-04168-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058100318&doi=10.1007%2fs10008-018-04168-3&partnerID=40&md5=1cb878821659d6c4ea5489ab8d28564b	Department of Physics and Astrophysics, University of Delhi	Springer New York LLC	14328488
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	3	82		30	10.1007/JHEP03(2019)082	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063267754&doi=10.1007%2fJHEP03%282019%29082&partnerID=40&md5=3f41e43f520867e7a1d5d55b04983a29	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Tak B.R.; Garg M.; Dewan S.; Torres-Castanedo C.G.; Li K.-H.; Gupta V.; Li X.; Singh R.	High-temperature photocurrent mechanism of β-Ga2O3 based metal-semiconductor-metal solar-blind photodetectors	2019	Journal of Applied Physics	125	14	144501		74	10.1063/1.5088532	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064154364&doi=10.1063%2f1.5088532&partnerID=40&md5=4156bdcfda1d2eaebe8f477e9af7b9ab	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	218979
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for narrow Hγ resonances in proton-proton collisions at s =13 TeV	2019	Physical Review Letters	122	8	81804		7	10.1103/PhysRevLett.122.081804	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062597017&doi=10.1103%2fPhysRevLett.122.081804&partnerID=40&md5=49301f3d8b051e334643816dd9e5b3f1	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum to: Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at s = 13 TeV (Journal of High Energy Physics, (2018), 2018, 6, (127), 10.1007/JHEP06(2018)127)	2019	Journal of High Energy Physics	2019	3	128		12	10.1007/JHEP03(2019)128	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069631731&doi=10.1007%2fJHEP03%282019%29128&partnerID=40&md5=b72ae1642558addac381f603716c1e1c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two τ leptons and two jets in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	3	170		52	10.1007/JHEP03(2019)170	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063902132&doi=10.1007%2fJHEP03%282019%29170&partnerID=40&md5=8b6161bbc3533186bf1307c208e3fdbe	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton–proton collisions at √s=13TeV	2019	European Physical Journal C	79	2	90		36	10.1140/epjc/s10052-019-6556-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060846638&doi=10.1140%2fepjc%2fs10052-019-6556-3&partnerID=40&md5=58c9759c9ae02aef3abb6695408cbaad	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Tripathi K.M.; Rao S.; Das S.	Quantum charge pumping through Majorana bound states	2019	Physical Review B	99	8	85435		3	10.1103/PhysRevB.99.085435	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062532974&doi=10.1103%2fPhysRevB.99.085435&partnerID=40&md5=ed767a1a238712adbb8e1cc6f21e6e07	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699950
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the top quark mass in the all-jets final state at √s=13TeV and combination with the lepton+jets channel	2019	European Physical Journal C	79	4	313		39	10.1140/epjc/s10052-019-6788-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064056375&doi=10.1140%2fepjc%2fs10052-019-6788-2&partnerID=40&md5=93ae7830da95e582908c0a23764e3d6d	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of exclusive Υ photoproduction from protons in p Pb collisions at √sNN=5.02TeV	2019	European Physical Journal C	79	3	277		43	10.1140/epjc/s10052-019-6774-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063495613&doi=10.1140%2fepjc%2fs10052-019-6774-8&partnerID=40&md5=3759f2fbc4047a895601b963b20456c2	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media, LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for excited leptons in ℓℓγ final states in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	4	15		7	10.1007/JHEP04(2019)015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064008997&doi=10.1007%2fJHEP04%282019%29015&partnerID=40&md5=6c8e4fc366d609716db47ec5a4202366	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sahoo R.N.; Kaushik M.; Sood A.; Kumar P.; Sharma A.; Thakur S.; Singh P.P.; Raina P.K.; Shaikh M.M.; Biswas R.; Yadav A.; Gehlot J.; Nath S.; Madhavan N.; Srivastava V.; Sharma M.K.; Singh B.P.; Prasad R.; Rani A.; Banerjee A.; Gupta U.; Deb N.K.; Roy B.J.	Sub-barrier fusion in the Cl 37 + Te 130 system	2019	Physical Review C	99	2	24607		17	10.1103/PhysRevC.99.024607	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061268535&doi=10.1103%2fPhysRevC.99.024607&partnerID=40&md5=04e3d4aaa9797504c933f11ac099b008	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the pair production of light top squarks in the e ± μ ∓ final state in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	3	101		8	10.1007/JHEP03(2019)101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063580341&doi=10.1007%2fJHEP03%282019%29101&partnerID=40&md5=6d408f7d9c4e42bacbedbd9bb718595a	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for long-lived particles decaying into displaced jets in proton-proton collisions at s =13 TeV	2019	Physical Review D	99	3	32011		43	10.1103/PhysRevD.99.032011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062611662&doi=10.1103%2fPhysRevD.99.032011&partnerID=40&md5=26a877efa273e00d777c6156f76703bf	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of t t ¯ differential cross sections in proton-proton collisions at √s=13 TeV using events containing two leptons	2019	Journal of High Energy Physics	2019	2	149		65	10.1007/JHEP02(2019)149	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062150316&doi=10.1007%2fJHEP02%282019%29149&partnerID=40&md5=ef3de9edd4fb9b6b8de57a459573a024	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sood A.; Kumar P.; Sahoo R.N.; Singh P.P.; Yadav A.; Sharma V.R.; Sharma M.K.; Singh D.P.; Gupta U.; Aydin S.; Kumar R.; Singh B.P.; Prasad R.	Entrance channel effects on fission fragment mass distribution in 12 C+ 169 Tm system	2019	Acta Physica Polonica B	50	3		291	0	10.5506/APhysPolB.50.291	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063673559&doi=10.5506%2fAPhysPolB.50.291&partnerID=40&md5=f7d8794b0d6fd1c65baf1cef5539110b	Department of Physics and Astrophysics, University of Delhi, ...	Jagellonian University	5874254
Chauhan V.; Gupta T.; Singh P.; Sahare P.D.; Koratkar N.; Kumar R.	Influence of 120 MeV S9+ ion irradiation on structural, optical and morphological properties of zirconium oxide thin films deposited by RF sputtering	2019	Physics Letters, Section A: General, Atomic and Solid State Physics	383	9		898	25	10.1016/j.physleta.2018.12.013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058188298&doi=10.1016%2fj.physleta.2018.12.013&partnerID=40&md5=2fe1fbf69bb13221552f2e2b883b6ce0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3759601
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Inclusive search for supersymmetry in pp collisions at √s=13 TeV using razor variables and boosted object identification in zero and one lepton final states	2019	Journal of High Energy Physics	2019	3	31		17	10.1007/JHEP03(2019)031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063195724&doi=10.1007%2fJHEP03%282019%29031&partnerID=40&md5=a1c3fea39553ec5e3945d5771864cc1b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Kumar S.; Sinha N.; Bhukkal S.; Kumar B.	Growth of pure and BFO doped KCl crystals by Czochralski technique and fabrication of microstrip patch antenna for GHz applications	2019	Journal of Materials Science: Materials in Electronics	30	3		2118	5	10.1007/s10854-018-0483-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057984493&doi=10.1007%2fs10854-018-0483-1&partnerID=40&md5=092cf9492123dd429d95d436c2bb7ec1	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of associated production of a W boson and a charm quark in proton–proton collisions at √s=13Te	2019	European Physical Journal C	79	3	269		36	10.1140/epjc/s10052-019-6752-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063529604&doi=10.1140%2fepjc%2fs10052-019-6752-1&partnerID=40&md5=78160f1439220dc6b9874fa6ce34577a	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Singh M.; Misra K.; Sahu D.K.; Dastidar R.; Gangopadhyay A.; Srivastav S.; Anupama G.C.; Bose S.; Lipunov V.; Chakradhari N.K.; Kumar B.; Kumar B.; Pandey S.B.; Gorbovskoy E.; Balanutsa P.	Observational properties of a Type Ib supernova MASTER OT J120451.50+265946.6 in NGC 4080	2019	Monthly Notices of the Royal Astronomical Society	485	4		5438	6	10.1093/mnras/stz752	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067001841&doi=10.1093%2fmnras%2fstz752&partnerID=40&md5=6f073edba2f37256e1be55712ee3cf31	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Gupta S.; Kumar A.; Gupta V.; Tomar M.	Electrical properties of Strontium Barium Niobate (Sr0.6Ba0.4Nb2O6) thin films deposited by pulsed laser deposition technique	2019	Vacuum	160			434	3	10.1016/j.vacuum.2018.11.057	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057613273&doi=10.1016%2fj.vacuum.2018.11.057&partnerID=40&md5=72b8ad20459cab6a5fb66f9112961488	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	2	74		24	10.1007/JHEP02(2019)074	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061892798&doi=10.1007%2fJHEP02%282019%29074&partnerID=40&md5=771fe24a49c7c50f539b7031a3a8e8a0	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at s =13 TeV	2019	Physical Review Letters	122	12	121803		127	10.1103/PhysRevLett.122.121803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064390177&doi=10.1103%2fPhysRevLett.122.121803&partnerID=40&md5=4f9d9d12fc087ff408cf18ea5208827f	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for pair production of first-generation scalar leptoquarks at s =13 TeV	2019	Physical Review D	99	5	52001		85	10.1103/PhysRevD.99.052002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064394773&doi=10.1103%2fPhysRevD.99.052002&partnerID=40&md5=9972abbf91768ef9c5f939e394468654	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kumar R.; Bawa R.; Gahlyan P.; Dalela M.; Jindal K.; Jha P.K.; Tomar M.; Gupta V.	Pyrene appended bis-triazolylated 1,4-dihydropyridine as a selective fluorogenic sensor for Cu2+	2019	Dyes and Pigments	161			162	25	10.1016/j.dyepig.2018.09.049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054026984&doi=10.1016%2fj.dyepig.2018.09.049&partnerID=40&md5=f7f0c478bbe4a07545808356e0c90e44	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	1437208
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetric partners of electrons and muons in proton–proton collisions at s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	790			140	78	10.1016/j.physletb.2019.01.005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060336415&doi=10.1016%2fj.physletb.2019.01.005&partnerID=40&md5=cce471464d7a030eb851d8c68bdb620d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Balendra; Banday A.; Kumar V.; Murugavel S.; Ramanan A.	Strontium-Carboxylate-Based Coordination Polymers: Synthesis, Structure and Dielectric Properties	2019	ChemistrySelect	4	16		4756	9	10.1002/slct.201900096	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064939850&doi=10.1002%2fslct.201900096&partnerID=40&md5=b0b3831398daa6dbacfcd6875065a0d5	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-Blackwell	23656549
Saxena G.; Kumawat M.; Singh S.S.; Aggarwal M.	Structural properties and decay modes of Z = 1 2 2, 120 and 118 superheavy nuclei	2019	International Journal of Modern Physics E	28	1-2	1950008		17	10.1142/S0218301319500083	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062566344&doi=10.1142%2fS0218301319500083&partnerID=40&md5=a242a94f71176ee1e436fbb080b83052	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific Publishing Co. Pte Ltd	2183013
Batra K.; Sinha N.; Kumar B.	Flexible lead-free piezo-/ferroelectric Bi 0.5 (Na 0.6 K 0.4) 0.5 TiO 3 ceramic incorporated PDMS polymer composites for energy harvesting application	2019	Journal of Materials Science: Materials in Electronics	30	6		6157	16	10.1007/s10854-019-00917-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061940999&doi=10.1007%2fs10854-019-00917-w&partnerID=40&md5=76825df58eeef1ee4f1e193efb5ffa01	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Sharma S.; Kumar A.; Gupta V.; Tomar M.	Dielectric and ferroelectric studies of KNN thin film grown by pulsed laser deposition technique	2019	Vacuum	160			233	20	10.1016/j.vacuum.2018.11.036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057032427&doi=10.1016%2fj.vacuum.2018.11.036&partnerID=40&md5=40d54c021d2076a5e7a71ab03db68079	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	4	114		23	10.1007/JHEP04(2019)114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065134466&doi=10.1007%2fJHEP04%282019%29114&partnerID=40&md5=3df550b393568cc69d61f7b84b5946e8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton–proton collisions at √s=13TeV	2019	European Physical Journal C	79	4	305		4	10.1140/epjc/s10052-019-6800-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064051384&doi=10.1140%2fepjc%2fs10052-019-6800-x&partnerID=40&md5=51d6ecf78e9b63e2d4df13d52c0e07ab	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for pair production of second-generation leptoquarks at s =13 TeV	2019	Physical Review D	99	3	32014		67	10.1103/PhysRevD.99.032014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062629289&doi=10.1103%2fPhysRevD.99.032014&partnerID=40&md5=11ceb652797bf01b950927abf7e1dfcb	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kumar A.; Aditya A.; Murugavel S.	Effect of surfactant concentration on textural characteristics and biomineralization behavior of mesoporous bioactive glasses	2019	Materials Science and Engineering C	96			20	12	10.1016/j.msec.2018.11.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056239792&doi=10.1016%2fj.msec.2018.11.003&partnerID=40&md5=00021a372df1b3a014a14c437c49e0c4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9284931
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at s =13 TeV	2019	Physical Review Letters	122	13	132003		51	10.1103/PhysRevLett.122.132003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064398210&doi=10.1103%2fPhysRevLett.122.132003&partnerID=40&md5=0c5846ddfa0efb39e5f2656486d5517f	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Yadav P.; Gupta D.N.	Temporal characteristics of relativistic stimulated Brillouin scattering of a laser in plasmas	2019	Laser Physics Letters	16	5	56005		0	10.1088/1612-202X/ab0c89	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069491246&doi=10.1088%2f1612-202X%2fab0c89&partnerID=40&md5=94a1ff439866955ae0d85ad5bd62e598	Department of Physics and Astrophysics, University of Delhi	Institute of Physics Publishing	16122011
Kumari N.; Monga S.; Arif M.; Sharma N.; Singh A.; Gupta V.; Vilarinho P.M.; Sreenivas K.; Katiyar R.S.	Higher permittivity of Ni-doped lead zirconate titanate, Pb[(Zr0.52Ti0.48)(1-x)Nix]O3, ceramics	2019	Ceramics International	45	4		4398	15	10.1016/j.ceramint.2018.11.117	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057400170&doi=10.1016%2fj.ceramint.2018.11.117&partnerID=40&md5=ffb6114e3391db1adc5c52aea230ec57	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Taya A.; Rani P.; Thakur J.; Kashyap M.K.	First principles study of structural, electronic and optical properties of Cs-doped CH3NH3PbI3 for photovoltaic applications	2019	Vacuum	160			440	18	10.1016/j.vacuum.2018.12.008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057711206&doi=10.1016%2fj.vacuum.2018.12.008&partnerID=40&md5=e2cc6854a06202b8c77db84d303d2145	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Goel S.; Sinha N.; Yadav H.; Kumar B.	On the prediction of external shape of ZnO nanocrystals	2019	Physica E: Low-Dimensional Systems and Nanostructures	106			291	20	10.1016/j.physe.2018.08.014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051629265&doi=10.1016%2fj.physe.2018.08.014&partnerID=40&md5=2270b292eca77ce6dadd26c7ecd4a1a9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13869477
Mandal T.; Mitra S.; Raz S.	RD (∗) motivated S1 leptoquark scenarios: Impact of interference on the exclusion limits from LHC data	2019	Physical Review D	99	5	55028		47	10.1103/PhysRevD.99.055028	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064402961&doi=10.1103%2fPhysRevD.99.055028&partnerID=40&md5=82a97bcc62047dd60e4b177862eb6566	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Kundu R.; Minniti D.; Singh H.P.	Search for extra-tidal RR Lyrae stars in Milky Way globular clusters from Gaia DR2	2019	Monthly Notices of the Royal Astronomical Society	483	2		1737	25	10.1093/mnras/sty3239	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067076592&doi=10.1093%2fmnras%2fsty3239&partnerID=40&md5=dc91318efca5bc55161d3de928a4c233	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for resonant t t ¯ production in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	4	31		41	10.1007/JHEP04(2019)031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063983099&doi=10.1007%2fJHEP04%282019%29031&partnerID=40&md5=eee2b22767d578b8d22c64070dedbbca	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for nonresonant Higgs boson pair production in the b b ¯ b b ¯ final state at √s = 13 TeV	2019	Journal of High Energy Physics	2019	4	112		28	10.1007/JHEP04(2019)112	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064570085&doi=10.1007%2fJHEP04%282019%29112&partnerID=40&md5=048b6e3429cfe504d04540df32673f54	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	791			96	125	10.1016/j.physletb.2018.12.073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062147975&doi=10.1016%2fj.physletb.2018.12.073&partnerID=40&md5=6b0378a7981d488eb05476e767fe4a63	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Pathak N.K.; Senthil Kumar P.; Sharma R.P.	Study of Optical Cross Section of Anisotropic Core–Shell Nanostructure Inside a Perovskite Environment: the Influence of Gain Media	2019	Plasmonics	14	1		63	3	10.1007/s11468-018-0778-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048369887&doi=10.1007%2fs11468-018-0778-3&partnerID=40&md5=786ae448158d62e5ccfa9064a5efdbd9	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	15571955
Somorendro Singh S.; Saxena G.	Effect of two-loop correction in the formation of quark–gluon plasma droplet	2019	Pramana - Journal of Physics	92	5	69		0	10.1007/s12043-019-1736-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062615019&doi=10.1007%2fs12043-019-1736-0&partnerID=40&md5=d02ea82e05ecb8e0f649b03faaf0e1a4	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3044289
Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Banerjee P.; Ganguly S.; Rai S.; Pragati; Mayank; Kumar S.; Kumar A.; Bhattacharjee S.S.; Singh R.P.; Muralithar S.	Search for the 23/2+ isomeric state in 125 Te	2019	EPL	125	5	52001		5	10.1209/0295-5075/125/52001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066306327&doi=10.1209%2f0295-5075%2f125%2f52001&partnerID=40&md5=d38f02e0a2132f44c6de3c2071f545d4	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	2955075
Singh A.K.; Dimri M.; Dawra D.; Jha A.K.S.; Verma N.; Mohan M.	Spectroscopic study of EUV and SXR transitions of Cu XIX with plasma parameters	2019	Radiation Physics and Chemistry	156			174	7	10.1016/j.radphyschem.2018.11.002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056870245&doi=10.1016%2fj.radphyschem.2018.11.002&partnerID=40&md5=2105ded1ac1a5c1f6517344d93e74ce9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0969806X
Halder K.K.; Tomar M.; Sachdev V.K.; Gupta V.	Development of polyvinylidene fluoride-graphite composites as an alternate material for electromagnetic shielding applications	2019	Materials Research Express	6	7	75324		14	10.1088/2053-1591/ab13dd	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065843050&doi=10.1088%2f2053-1591%2fab13dd&partnerID=40&md5=50e839d9ae64008270cb2ba154ecf665	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	20531591

Goel S.; Sinha N.; Hussain A.; Joseph A.J.; Kumar B.	Di-/piezo-/ferro-electric characterizations of 3D hierarchical sisal-like Eu 3+ /Gd 3+ co-doped ZnO micro-flowers assembled with 1D nanopencils	2019	Ionics	25	3		1373	5	10.1007/s11581-018-2721-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053523762&doi=10.1007%2fs11581-018-2721-1&partnerID=40&md5=5372e956e5d36e944ada45318af79d88	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	9477047
Kumar Y.; Rawal S.; Joshi B.; Hashmi S.A.	Background, fundamental understanding and progress in electrochemical capacitors	2019	Journal of Solid State Electrochemistry	23	3		667	54	10.1007/s10008-018-4160-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059552878&doi=10.1007%2fs10008-018-4160-3&partnerID=40&md5=ddb015567ace2c2b9db5c56ecc40de5b	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14328488
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at √ s=13TeV	2019	European Physical Journal C	79	3	208		15	10.1140/epjc/s10052-019-6688-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063199426&doi=10.1140%2fepjc%2fs10052-019-6688-5&partnerID=40&md5=83fa8021a64b8ed86eb534a214ef8af2	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of nuclear modification factors of Υ(1S), Υ(2S), and Υ(3S) mesons in PbPb collisions at sNN=5.02 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	790			270	95	10.1016/j.physletb.2019.01.006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060438181&doi=10.1016%2fj.physletb.2019.01.006&partnerID=40&md5=7b969370bb2e1aa0c7f00b9badb770eb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Paliwal A.; Tomar M.; Gupta V.	Refractive Index Sensor Using Long-Range Surface Plasmon Resonance with Prism Coupler	2019	Plasmonics	14	2		375	26	10.1007/s11468-018-0814-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050604176&doi=10.1007%2fs11468-018-0814-3&partnerID=40&md5=0e3e7f27f556b9200b8522dda0247f55	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	15571955
Nitish R.; Kar S.	Mass generation from a non-perturbative correction: Massive Neveu-Schwarz field and graviton in (3+1) dimensions	2019	Progress of Theoretical and Experimental Physics	2019	4	043B02		1	10.1093/ptep/ptz021	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084290837&doi=10.1093%2fptep%2fptz021&partnerID=40&md5=d14573de0066776048acf259f01fc4b0	Department of Physics and Astrophysics, University of Delhi	Physical Society of Japan	20503911
Bhukkal S.; Sinha N.; Kumar S.; Kumar B.	Anisotropic electrical and optical studies of organic biphenyl single crystal grown by modified Czochralski technique	2019	Journal of Materials Science: Materials in Electronics	30	4		3909	4	10.1007/s10854-019-00676-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059764902&doi=10.1007%2fs10854-019-00676-8&partnerID=40&md5=85c7c075b0b2a63e3bdfc7779bbeb32a	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	9574522
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of Two Excited Bc+ States and Measurement of the Bc+ (2S) Mass in pp Collisions at s =13 TeV	2019	Physical Review Letters	122	13	132001		84	10.1103/PhysRevLett.122.132001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064123792&doi=10.1103%2fPhysRevLett.122.132001&partnerID=40&md5=78342f4e42b75c9492b53ee8967d990c	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Jhingan A.; Wollersheim H.J.; Kumar R.; Saxena M.; Ahuja R.; Kumar M.; Dutt S.; Saneesh N.; Varughese T.; Mandal S.K.; Sugathan P.	An annular parallel plate avalanche counter for heavy-ion γ-ray coincidence measurements	2019	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	922			209	2	10.1016/j.nima.2018.12.075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060020334&doi=10.1016%2fj.nima.2018.12.075&partnerID=40&md5=9344cda9fa78055debb97c208fa9d1aa	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at sNN =5.02 TeV	2019	Physical Review Letters	122	15	152001		38	10.1103/PhysRevLett.122.152001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065581660&doi=10.1103%2fPhysRevLett.122.152001&partnerID=40&md5=d7855ef6c02790dc2d7f2f7dc2527124	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Ameer S.; Jindal K.; Tomar M.; Jha P.K.; Gupta V.	Insight into electronic, magnetic and optical properties of magnetically ordered Bi2Fe4O9	2019	Journal of Magnetism and Magnetic Materials	475			695	15	10.1016/j.jmmm.2018.12.028	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058408408&doi=10.1016%2fj.jmmm.2018.12.028&partnerID=40&md5=28f2214d1d42be81e94673fb382e61db	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3048853
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a W′ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state	2019	Journal of High Energy Physics	2019	3	127		6	10.1007/JHEP03(2019)127	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063424717&doi=10.1007%2fJHEP03%282019%29127&partnerID=40&md5=3cd9769997052424879d535d3295d593	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sharma J.; Hashmi S.	Magnesium ion-conducting gel polymer electrolyte nanocomposites: Effect of active and passive nanofillers	2019	Polymer Composites	40	4		1295	26	10.1002/pc.24853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044387530&doi=10.1002%2fpc.24853&partnerID=40&md5=c35b6bdb8accfef34d61933df46be310	Department of Physics and Astrophysics, University of Delhi	John Wiley and Sons Inc.	2728397
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Non-Gaussian elliptic-flow fluctuations in PbPb collisions at sNN=5.02TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	789			643	36	10.1016/j.physletb.2018.11.063	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060298610&doi=10.1016%2fj.physletb.2018.11.063&partnerID=40&md5=13e8e56d9656827b7e5b6af36b9f4a7f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Dewan S.; Tomar M.; Kapoor A.K.; Tandon R.P.; Gupta V.	ZnO nanostructure-assisted growth of (0002)-oriented GaN thin films by laser molecular beam epitaxy	2019	Journal of Photonics for Energy	9	2	24001		3	10.1117/1.JPE.9.024001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069473295&doi=10.1117%2f1.JPE.9.024001&partnerID=40&md5=518d86693d69d64222440edb00aa5195	Department of Physics and Astrophysics, University of Delhi, ...	SPIE	19477988
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton–proton collisions at √s=13Te	2019	European Physical Journal C	79	3	280		32	10.1140/epjc/s10052-019-6730-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063641073&doi=10.1140%2fepjc%2fs10052-019-6730-7&partnerID=40&md5=1b0820b8d46217eb125e27d273e2786f	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Goel S.; Kumar B.	Hierarchical Sm-doped ZnO nanorod–nanosheet architecture: dielectric and ferroelectric studies	2019	Applied Physics A: Materials Science and Processing	125	5	289		13	10.1007/s00339-019-2584-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063997906&doi=10.1007%2fs00339-019-2584-y&partnerID=40&md5=5c9714329f708b118ba58baf013e7864	Department of Physics and Astrophysics, University of Delhi	Springer Verlag	9478396
Nitish R.; Singh D.; Kar S.	CFT6 bulk/boundary AdSQ 5 correspondence and emergent gravity	2019	Physica Scripta	94	7	75301		4	10.1088/1402-4896/ab144e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070544460&doi=10.1088%2f1402-4896%2fab144e&partnerID=40&md5=3c4038910d515eee100488dd272cdefa	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	318949
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for t t ¯ H production in the H → b b ¯ decay channel with leptonic t t ¯ decays in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	3	26		55	10.1007/JHEP03(2019)026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062644157&doi=10.1007%2fJHEP03%282019%29026&partnerID=40&md5=a40d47ddd27be8544c9539e0f3c3a59e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Singh D.; Kar S.	Emergent D-Instanton as a Source of Dark Energy	2019	Brazilian Journal of Physics	49	2		249	3	10.1007/s13538-019-00635-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063031596&doi=10.1007%2fs13538-019-00635-y&partnerID=40&md5=18605086e0ec413e643d79908b884b4c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media, LLC	1039733
Sonia; Vijayan N.; Vij M.; Krishna A.; Yadav H.; Maurya K.K.; Dhas S.A.M.B.; Kumar P.	An efficient piezoelectric single-crystal l-argininium phosphite: structural, Hirshfeld, electrical and mechanical analyses for NLO applications	2019	Applied Physics A: Materials Science and Processing	125	5	363		11	10.1007/s00339-019-2642-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064912726&doi=10.1007%2fs00339-019-2642-5&partnerID=40&md5=eb9db14db01318173d6bfb669dc5e6a9	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	9478396
Subramanian M.; Miaskowski A.; Mahapatro A.K.; Dobson J.	Practical bioinstrumentation developments for AC magnetic field-mediated magnetic nanoparticle heating applications	2019	Applied Physics A: Materials Science and Processing	125	3	194		9	10.1007/s00339-019-2480-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061841525&doi=10.1007%2fs00339-019-2480-5&partnerID=40&md5=b7d4668e8c10c7ee212f26e87f25c84e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	9478396
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of prompt ψ(2S) production cross sections in proton–lead and proton–proton collisions at sNN=5.02TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	790			509	23	10.1016/j.physletb.2019.01.058	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061282315&doi=10.1016%2fj.physletb.2019.01.058&partnerID=40&md5=5f38ec6f8bd1196a81c581e1dfa3d392	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Vashisht G.; Goyal R.; Bala M.; Ojha S.; Annapoorni S.	Studies of Exchange Coupling in FeCo/L1 0 -FePt Bilayer Thin Films	2019	IEEE Transactions on Magnetics	55	3	8525425		5	10.1109/TMAG.2018.2876167	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056340776&doi=10.1109%2fTMAG.2018.2876167&partnerID=40&md5=9ed5eedb7cc4e651e192749dc0c21082	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	189464
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for W Boson Decays to Three Charged Pions	2019	Physical Review Letters	122	15	151802		6	10.1103/PhysRevLett.122.151802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065556806&doi=10.1103%2fPhysRevLett.122.151802&partnerID=40&md5=cd6b0f09858d318c24bf4a245d60494a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sharma S.; Saini B.; Kaur R.; Tomar M.; Gupta V.; Kapoor A.	Low resistivity of pulsed laser deposited CdxZn1-xO thin films	2019	Ceramics International	45	2		1900	3	10.1016/j.ceramint.2018.10.082	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055266304&doi=10.1016%2fj.ceramint.2018.10.082&partnerID=40&md5=e45a826b7f0deebec2a7c19b1f66c3a3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of differential cross sections for Z boson pair production in association with jets at s=8 and 13 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	789			19	22	10.1016/j.physletb.2018.11.007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058947168&doi=10.1016%2fj.physletb.2018.11.007&partnerID=40&md5=3d1e51f5580428fe23fbd51f2a6b32d4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Singh M.K.; Jha P.K.; Bhattacherjee A.B.	Photon blockade induced tunable source of one/two photon in a double quantum dot-semiconductor microcavity system	2019	Optik	185			685	8	10.1016/j.ijleo.2019.03.042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063958602&doi=10.1016%2fj.ijleo.2019.03.042&partnerID=40&md5=2485696d3c39f0161de0279140399116	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier GmbH	304026
Singh A.K.; Dimri M.; Dawra D.; Jha A.K.S.; Mohan M.	Relativistic R-matrix photoionization cross section calculations of Ne-like Co XVIII with resonance parameters	2019	Journal of Physics B: Atomic, Molecular and Optical Physics	52	7	75002		3	10.1088/1361-6455/ab08b2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065163887&doi=10.1088%2f1361-6455%2fab08b2&partnerID=40&md5=91b449cabeeb591a6d4ee9b3d25a4fbd	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9534075

Singh G.; Yadav R.K.S.	The radial distribution of blue stragglers in Galactic globular cluster NGC 6656 − clues to the dynamical status	2019	Monthly Notices of the Royal Astronomical Society	482	4		4874	8	10.1093/mnras/sty2961	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061097104&doi=10.1093%2fmnras%2fsty2961&partnerID=40&md5=a499d0dca5f82837e393809f2cf9f82c	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Bhat M.Y.; Yadav N.; Hashmi S.A.	Pinecone-derived porous activated carbon for high performance all-solid-state electrical double layer capacitors fabricated with flexible gel polymer electrolytes	2019	Electrochimica Acta	304			94	61	10.1016/j.electacta.2019.02.092	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062724963&doi=10.1016%2fj.electacta.2019.02.092&partnerID=40&md5=43dfb82c918d1e72deeeea5b2c516abc	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	134686
Malik C.; Katoch A.; Singh B.; Pandey A.	Effect of co-activation on the thermoluminescence and photoluminescence properties of nano-crystalline K2Ca2(SO4)3:Eu,Cu	2019	Journal of Luminescence	207			526	11	10.1016/j.jlumin.2018.12.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058018568&doi=10.1016%2fj.jlumin.2018.12.003&partnerID=40&md5=6a05a2acfa44cb7923c8c9b788f3b62f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	222313
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of the pp ? WZ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at √s = 13 TeV	2019	Journal of High Energy Physics	2019	4	122		60	10.1007/JHEP04(2019)122	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064902833&doi=10.1007%2fJHEP04%282019%29122&partnerID=40&md5=ce27edfbeea015c5fe38407c0197f28f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at √sNN=8.16 TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	791			172	31	10.1016/j.physletb.2019.02.018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062430305&doi=10.1016%2fj.physletb.2019.02.018&partnerID=40&md5=4b20b8b72b6a2a805c93b6963cea9bc3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	3	141		29	10.1007/JHEP03(2019)141	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063645926&doi=10.1007%2fJHEP03%282019%29141&partnerID=40&md5=bef99909eafdeea57cbbf05ee13f9da1	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Gupta D.; Song M.-Y.; Choi H.; Kwon D.-C.; Baluja K.L.; Tennyson J.	R-matrix study for electron scattering of beryllium dihydride for fusion plasma	2019	Journal of Physics B: Atomic, Molecular and Optical Physics	52	6	65204		4	10.1088/1361-6455/aafdc4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065181697&doi=10.1088%2f1361-6455%2faafdc4&partnerID=40&md5=ed8e69cc8a5a0ab7cf9ffdae5e691d29	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9534075
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Study of the underlying event in top quark pair production in p p collisions at 13 Te	2019	European Physical Journal C	79	2	123		13	10.1140/epjc/s10052-019-6620-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061186683&doi=10.1140%2fepjc%2fs10052-019-6620-z&partnerID=40&md5=4d89f3851aa08358686d21ce58199b70	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new particles decaying to a jet and an emerging jet	2019	Journal of High Energy Physics	2019	2	179		41	10.1007/JHEP02(2019)179	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062265042&doi=10.1007%2fJHEP02%282019%29179&partnerID=40&md5=6ab56b5c8b9e209920a8a1b997aa12ef	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Verma M.; Tanwar A.; Sreenivas K.	Phase evolution of strontium bismuth niobate ceramics by conventional solid-state reaction method	2019	Journal of Thermal Analysis and Calorimetry	135	4		2077	7	10.1007/s10973-018-7287-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045637776&doi=10.1007%2fs10973-018-7287-7&partnerID=40&md5=2679dfd6cceb88672df04c57766eac81	Department of Physics and Astrophysics, University of Delhi, ...	Springer Netherlands	13886150

Jain P.; Uma V.S.; Goel A.; Mandal S.K.	Prediction of band-head spin of triaxial super-deformed bands using the modified VMI model	2019	European Physical Journal Plus	134	2	72		1	10.1140/epjp/i2019-12443-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061770820&doi=10.1140%2fepjp%2fi2019-12443-3&partnerID=40&md5=0ec2769570ff2c3e4c4c93d105342ea9	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	21905444
Bhardwaj S.K.; Chauhan R.; Yadav P.; Ghosh S.; Mahapatro A.K.; Singh J.; Basu T.	Bi-enzyme functionalized electro-chemically reduced transparent graphene oxide platform for triglyceride detection	2019	Biomaterials Science	7	4		1598	29	10.1039/c8bm01406j	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063505858&doi=10.1039%2fc8bm01406j&partnerID=40&md5=5688b33a9f420c9548e6b80f388b8904	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20474830
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for rare decays of Z and Higgs bosons to J / ψ and a photon in proton-proton collisions at √s = 13 TeV	2019	European Physical Journal C	79	2	94		23	10.1140/epjc/s10052-019-6562-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060865748&doi=10.1140%2fepjc%2fs10052-019-6562-5&partnerID=40&md5=f1135a7cce976887e79b6a0839131640	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Negi S.; Chandra A.	Ionic switch using nano-channels in polymeric membrane	2019	Ionics	25	3		1123	7	10.1007/s11581-018-2618-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048575043&doi=10.1007%2fs11581-018-2618-z&partnerID=40&md5=d0419aa0f42b07d734049642ea658bdc	Department of Physics and Astrophysics, University of Delhi	Institute for Ionics	9477047
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at s =13 TeV	2019	Physical Review Letters	122	2	21801		59	10.1103/PhysRevLett.122.021801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060779863&doi=10.1103%2fPhysRevLett.122.021801&partnerID=40&md5=99a6198383fcb89c65328e40ca308a2e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Halder K.K.; Sachdev V.K.; Tomar M.; Gupta V.	EMI shielding of ABS composites filled with different temperature-treated equal-quantity charcoals	2019	RSC Advances	9	41		23718	6	10.1039/c9ra03080h	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070324768&doi=10.1039%2fc9ra03080h&partnerID=40&md5=d266b0127ea8f243a177bb3fa8954cb3	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20462069
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at s =13 TeV	2019	Physical Review Letters	122	1	11803		32	10.1103/PhysRevLett.122.011803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059833850&doi=10.1103%2fPhysRevLett.122.011803&partnerID=40&md5=5ad8990c84fcec86d1e6601128654ce8	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Dar Z.A.; Kaur D.; Kumar S.; Naimuddin M.	Independent measurement of muon neutrino and antineutrino oscillations at the INO-ICAL experiment	2019	Journal of Physics G: Nuclear and Particle Physics	46	6	65001		3	10.1088/1361-6471/ab11f4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070750082&doi=10.1088%2f1361-6471%2fab11f4&partnerID=40&md5=8aa405b7cfd8c72eae4167e4ca0c0e3b	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9543899
Nehra K.; Pandian S.K.; Bharati M.S.S.; Soma V.R.	Enhanced catalytic and SERS performance of shape/size controlled anisotropic gold nanostructures	2019	New Journal of Chemistry	43	9		3835	27	10.1039/c8nj06206d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062224268&doi=10.1039%2fc8nj06206d&partnerID=40&md5=7e7971f72af367c2a28045edb70c2ed5	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	11440546
Gupta D.N.; Kant N.; Singh K.P.	Electron acceleration by a radially polarized laser pulse in the presence of an intense pulsed magnetic field	2019	Laser Physics	29	1	15301		5	10.1088/1555-6611/aaef94	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059867229&doi=10.1088%2f1555-6611%2faaef94&partnerID=40&md5=cc5e834c330d7ae4138007bed52c0221	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	1054660X

Singh A.K.; Dimri M.; Dawra D.; Jha A.K.S.; Mohan M.	Accurate study on the properties of spectral lines for Na-like Cr13+	2019	Canadian Journal of Physics	97	4		436	8	10.1139/cjp-2018-0218	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063727741&doi=10.1139%2fcjp-2018-0218&partnerID=40&md5=2dfed9b64e9e1fb48e73d852f2f44ec0	Department of Physics and Astrophysics, University of Delhi, ...	Canadian Science Publishing	84204
Kharbanda P.; Madaan T.; Sharma I.; Vashishtha S.; Kumar P.; Chauhan A.; Mittal S.; Bangruwa J.S.; Verma V.	Ferrites: magnetic materials as an alternate source of green electrical energy	2019	Heliyon	5	1	e01151		28	10.1016/j.heliyon.2019.e01151	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060335941&doi=10.1016%2fj.heliyon.2019.e01151&partnerID=40&md5=6f3eef13c79a45cd3c1f2a5fdd7e2a16	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	24058440
Vyas M.K.; Chandra A.	Synergistic effect of conducting and insulating fillers in polymer nanocomposite films for attenuation of X-band	2019	Journal of Materials Science	54	2		1304	22	10.1007/s10853-018-2894-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053395556&doi=10.1007%2fs10853-018-2894-z&partnerID=40&md5=c95574bb934c389c99616595fc670be1	Department of Physics and Astrophysics, University of Delhi	Springer New York LLC	222461
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at √s = 13 TeV	2019	European Physical Journal C	79	4	364		55	10.1140/epjc/s10052-019-6855-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072183946&doi=10.1140%2fepjc%2fs10052-019-6855-8&partnerID=40&md5=b16bccbdb01f84e4bd589a6843eff05e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Jain S.; Wadia S.R.	Murray Gell-Mann (1929-2019) and his science	2019	Current Science	117	7		1224	0		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075521694&partnerID=40&md5=4d73a5b47ccb211330d33300e302fb31	Department of Physics and Astrophysics, University of Delhi, ...	Indian Academy of Sciences	113891
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV	2019	Journal of High Energy Physics	2019	1	51		23	10.1007/JHEP01(2019)051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060305259&doi=10.1007%2fJHEP01%282019%29051&partnerID=40&md5=af13d06e6a3766d40e000e4c1320f3c64	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Prasad J.; Singh A.K.; Haldar K.K.; Tomar M.; Gupta V.; Singh K.	CoFe2O4 nanoparticles decorated MoS2-reduced graphene oxide nanocomposite for improved microwave absorption and shielding performance	2019	RSC Advances	9	38		21881	34	10.1039/c9ra03465j	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069524873&doi=10.1039%2fc9ra03465j&partnerID=40&md5=5b3290f055b7b07feb83563f7dd4c950	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20462069
Tyagi M.; Tomar M.; Gupta V.	Enhanced electron transfer properties of NiO thin film for the efficient detection of urea	2019	Materials Science and Engineering: B	240			147	11	10.1016/j.mseb.2018.10.015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059193757&doi=10.1016%2fj.mseb.2018.10.015&partnerID=40&md5=80728eb6bd12b204ee3fc31b3b87c999	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9215107
Panwar N.; Samal M.R.; Pandey A.K.; Singh H.P.; Sharma S.	Understanding Formation of Young, Distributed Low-mass Stars and Clusters in the W4 Cloud Complex	2019	Astronomical Journal	157	3	112		14	10.3847/1538-3881/aafbe6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063443553&doi=10.3847%2f1538-3881%2faafbe6&partnerID=40&md5=418627bb7454c1b65efa839dafac3d30	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	46256
Channey K.S.; Kumar S.	Two simple textures of the magic neutrino mass matrix	2019	Journal of Physics G: Nuclear and Particle Physics	46	1	15001		12	10.1088/1361-6471/aaf55e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059233501&doi=10.1088%2f1361-6471%2faaf55e&partnerID=40&md5=13d5501f860ef415fccb0cbdb642ea37	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9543899

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Higgs boson pair production in the γγbb¯ final state in pp collisions at s=13TeV	2019	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	788			7	68	10.1016/j.physletb.2018.10.056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057779874&doi=10.1016%2fj.physletb.2018.10.056&partnerID=40&md5=3a00cb74e644290ccc3bd7cbe96a0d0b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Performance of missing transverse momentum reconstruction in proton-proton collisions at p s = 13 TeV using the CMS detector	2019	Journal of Instrumentation	14	7	P07004		117	10.1088/1748-0221/14/07/P07004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071359074&doi=10.1088%2f1748-0221%2f14%2f07%2fP07004&partnerID=40&md5=ff79e8410cd9b6700fa4bf6665d29eef	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	17480221
Pokhriyal M.; Sharma M.; Tripathi V.K.; Murugavel S.; Uma S.; Nagarajan R.	Correlating oxide ion conductivity with ionic size of dopant and defect structures in ThO2-LnO1.5 (Ln = Y, La and Gd) prepared by modified epoxide gel method	2019	Solid State Ionics	329			67	2	10.1016/j.ssi.2018.11.016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057395379&doi=10.1016%2fj.ssi.2018.11.016&partnerID=40&md5=040b8a80c277c2764c08da2c42a60e76	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1672738
Mittal D.; Narang K.; Leekha A.; Kumar K.; Verma A.K.	Elucidation of biological activity of silver based nanoparticles using plant constituents of Syzygium cumini	2019	International Journal of Nanoscience and Nanotechnology	15	3		189	10		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072672735&partnerID=40&md5=55b0bf0140f03d4ca22e489b853122c9	Department of Physics and Astrophysics, University of Delhi, ...	Iranian Nano Society	17357004
Tak B.R.; Garg M.; Kumar A.; Gupta V.; Singh R.	Gamma irradiation effect on performance of β-Ga2O3 metal-semiconductor-metal solar-blind photodetectors for space applications	2019	ECS Journal of Solid State Science and Technology	8	7		Q3149	34	10.1149/2.0291907jss	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072059543&doi=10.1149%2f2.0291907jss&partnerID=40&md5=628eac61e5ad8c705a087b942407ee9a	Department of Physics and Astrophysics, University of Delhi, ...	Electrochemical Society Inc.	21628769
Gupta S.; Paliwal A.; Gupta V.; Tomar M.	Dynamically tuneable PLD grown SBN75 thin film based Electro optic modulator	2019	MRS Advances	4	41-42		2265	1	10.1557/adv.2019.271	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085685551&doi=10.1557%2fadv.2019.271&partnerID=40&md5=bcf2d83e7f67c1a0a6147822b963ac24	Department of Physics and Astrophysics, University of Delhi, ...	Materials Research Society	20598521
Antil S.; Kumar M.; Lahon S.; Maan A.S.	Pressure dependent optical properties of quantum dot with spin orbit interaction and magnetic field	2019	Optik	176			278	11	10.1016/j.ijleo.2018.09.010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053767086&doi=10.1016%2fj.ijleo.2018.09.010&partnerID=40&md5=66049e2d0d0e27093d332b43acf381a5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier GmbH	304026
Sonker R.K.; Shastri R.; Yadav B.C.	Theoretical and experimental investigation on structural stability, electronic and vibrational properties of polvaniline (PANI)	2019	Proceedings of the Jangjeon Mathematical Society	22	1		129	0	10.17777/pjms2019.22.1.129	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064519429&doi=10.17777%2fpjms2019.22.1.129&partnerID=40&md5=9cc78d241d7f1c6549f12d10156f0473	Department of Physics and Astrophysics, University of Delhi, ...	Jangjeon Research Institute for Mathematical Sciences and Physics	15987264
Shukla M.K.; Avinash K.	Equilibrium configuration of self-gravitating charged dust clouds: Particle approach	2019	Physics of Plasmas	26	1	13701		5	10.1063/1.5053649	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060161986&doi=10.1063%2f1.5053649&partnerID=40&md5=70118e244982715e3c16b225e8a8aef6	Department of Physics and Astrophysics, University of Delhi	American Institute of Physics Inc.	1070664X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for pair-produced three-jet resonances in proton-proton collisions at s =13 TeV	2019	Physical Review D	99	1	12010		12	10.1103/PhysRevD.99.012010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061080981&doi=10.1103%2fPhysRevD.99.012010&partnerID=40&md5=035558b1eb1e2303b7e9c276297daa00	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	1	40		30	10.1007/JHEP01(2019)040	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061032987&doi=10.1007%2fJHEP01%282019%29040&partnerID=40&md5=8b3a47faf5efbecf767d75abc82dd114	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at s =13 TeV	2019	Physical Review D	99	1	12005		126	10.1103/PhysRevD.99.012005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061085232&doi=10.1103%2fPhysRevD.99.012005&partnerID=40&md5=5804b5d39b7f7d2d8d0bc62c2bc5188f	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Joshi A.; Pandey J.C.; Singh H.P.	X-Ray Observations of an Intermediate Polar V2400 Oph	2019	Astronomical Journal	158	1	11		7	10.3847/1538-3881/ab1ea6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072394190&doi=10.3847%2f1538-3881%2fab1ea6&partnerID=40&md5=edfe5669c269d3172ac51cc05097a6c9	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	46256
Antil S.; Kumar M.; Lahon S.; Dahiya S.; Ohlan A.; Punia R.; Maan A.S.	Influence of hydrostatic pressure and spin orbit interaction on optical properties in quantum wire	2019	Physica B: Condensed Matter	552			202	12	10.1016/j.physb.2018.10.006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056004742&doi=10.1016%2fj.physb.2018.10.006&partnerID=40&md5=75a6949c2f55dd03b3faae52b4f2722a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9214526
Banday A.; Ali M.; Pandey R.; Murugavel S.	Direct evidence for the influence of lithium ion vacancies on polaron transport in nanoscale LiFePO4	2019	Physical Chemistry Chemical Physics	21	19		9858	9	10.1039/c9cp00408d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065981553&doi=10.1039%2fc9cp00408d&partnerID=40&md5=4247ed670bd9d635bd09c4313a360e63	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076
Pathak N.K.; Parthasarathi; Kumar P.S.; Sharma R.P.	Tuning of the surface plasmon resonance of aluminum nanoshell near-infrared regimes	2019	Physical Chemistry Chemical Physics	21	18		9441	22	10.1039/c9cp01115c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065626682&doi=10.1039%2fc9cp01115c&partnerID=40&md5=bfd97bb8d0514f8cc7db4d4c9780c399	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076
Arun M.T.; Choudhury D.; Sachdeva D.	Living orthogonally: quasi-universal extra dimensions	2019	Journal of High Energy Physics	2019	1	230		4	10.1007/JHEP01(2019)230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060927457&doi=10.1007%2fJHEP01%282019%29230&partnerID=40&md5=e6fcbf0f27c8c77cdf7ec6d8e7d45f4c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Rani P.; Thakur J.; Taya A.; Kashyap M.K.	Magnetocrystalline anisotropy of Pt-doped L10-FeNi compound for clean energy applications	2019	Vacuum	159			186	6	10.1016/j.vacuum.2018.10.023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055187204&doi=10.1016%2fj.vacuum.2018.10.023&partnerID=40&md5=b223e1f9c359ff4be3e83f3653ba6c30	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Tak B.R.; Dewan S.; Goyal A.; Pathak R.; Gupta V.; Kapoor A.K.; Nagarajan S.; Singh R.	Point defects induced work function modulation of β-Ga 2 O 3	2019	Applied Surface Science	465			973	62	10.1016/j.apsusc.2018.09.236	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054218863&doi=10.1016%2fj.apsusc.2018.09.236&partnerID=40&md5=f0ea68f9cd28da8d865c28c25def98cc	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1694332
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	1	154		17	10.1007/JHEP01(2019)154	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060754264&doi=10.1007%2fJHEP01%282019%29154&partnerID=40&md5=d69007320d64bf6356f08490666860f5	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708

Jamdegni M.; Kaur A.	Electrochromic behavior of highly stable, flexible electrochromic electrode based on covalently bonded polyaniline-graphene quantum dot composite	2019	Journal of the Electrochemical Society	166	12		H502	20	10.1149/2.0281912jes	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073479227&doi=10.1149%2f2.0281912jes&partnerID=40&md5=0a799a39f3c826bfa88ff85bcf166395	Department of Physics and Astrophysics, University of Delhi	Electrochemical Society Inc.	134651
Patra P.; Khan S.A.; Bala M.; Avasthi D.K.; Srivastava S.K.	Assessing a thermal spike model of swift heavy ion-matter interactions: Via Pd1-xNix/Si interface mixing	2019	Physical Chemistry Chemical Physics	21	30		16634	5	10.1039/c9cp02052g	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070789211&doi=10.1039%2fc9cp02052g&partnerID=40&md5=4047dc935cf202c26b75021211d0864b	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076
Gupta R.; Gupta V.; Tomar M.	Structural and dielectric properties of PLD grown BST thin films	2019	Vacuum	159			69	17	10.1016/j.vacuum.2018.10.010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054818748&doi=10.1016%2fj.vacuum.2018.10.010&partnerID=40&md5=24332028e308925395c8d3f983fe3166	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	1	183		36	10.1007/JHEP01(2019)183	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060748827&doi=10.1007%2fJHEP01%282019%29183&partnerID=40&md5=72084e77f0c49dbfbd38d9daa9e74e78	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Jain G.; Jain C.; Bhardwaj A.; Ranjan K.; Dierlamm A.; Hartmann F.; Demarteau M.	Radiation tolerance study on irradiated AC-coupled, poly-silicon biased, p-on-n silicon strip sensors developed in India	2019	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	913			97	1	10.1016/j.nima.2018.10.118	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055751125&doi=10.1016%2fj.nima.2018.10.118&partnerID=40&md5=4ca824faa0709ebb2fd280eb9b1f50dc	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Saxena N.; Kumar P.; Gupta V.	CdS nanodroplets over silica microballs for efficient room-temperature LPG detection	2019	Nanoscale Advances	1	6		2382	21	10.1039/c9na00053d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071455991&doi=10.1039%2fc9na00053d&partnerID=40&md5=655525fb8e230cd2b714971319a6f7e9	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	25160230
Ananthanarayan B.; Caprini I.; Das D.	Pion form factor and low-energy hadronic contribution to muon g-2 by analytic extrapolation: Consistency and sensitivity tests	2019	Romanian Journal of Physics	64	7-8	401		3		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074111412&partnerID=40&md5=a16cf37e6b09ec50f25558815354bece	Department of Physics and Astrophysics, University of Delhi, ...	Editura Academiei Romane	1221146X
Sharma R.; Jain C.; Dutta A.	Study of the reflection spectra of SAX J1748.9-2021	2019	Monthly Notices of the Royal Astronomical Society	482	2		1634	6	10.1093/mnras/sty2808	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057189725&doi=10.1093%2fmnras%2fsty2808&partnerID=40&md5=4a655027c99e800d0701d7ea3fe865a6	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Banu N.; Roy S.; Satpati B.; Singh S.; Bhukta A.; Chakraborty P.; Basu S.; Dev B.N.	Towards x-ray waveguide formation upon ion irradiation of a Co thin film on Si(111)	2019	Materials Research Express	6	5	56419		0	10.1088/2053-1591/ab059a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062805116&doi=10.1088%2f2053-1591%2fab059a&partnerID=40&md5=d8f4832a2b5d99afb640050904f1f400	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	20531591
Puri N.; Tandon R.P.; Mahapatro A.K.	Significant enhancement in thermoelectric power factor of bulk nanostructured calcium cobalt oxide ceramics	2019	ACS Applied Energy Materials	2	1		269	8	10.1021/acsaem.8b01205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065244755&doi=10.1021%2facsaem.8b01205&partnerID=40&md5=a89dd3ef766632ecf65244e1517e1d16	Department of Physics and Astrophysics, University of Delhi	American Chemical Society	25740962

Priyanka; Ranjan K.; Bhardwaj A.	Single-top quark production at CMS	2019	Universe	5	1	19		0	10.3390/universe5010019	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064400618&doi=10.3390%2funiverse5010019&partnerID=40&md5=37d175db313ab21884de29a122bb576b	Department of Physics and Astrophysics, University of Delhi, ...	MDPI Multidisciplinary Digital Publishing Institute	22181997
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at √s=13 TeV	2019	Journal of High Energy Physics	2019	1	122		53	10.1007/JHEP01(2019)122	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060299407&doi=10.1007%2fJHEP01%282019%29122&partnerID=40&md5=03d3ef084a5c04f878c00be0afcac942	Department of Physics and Astrophysics, University of Delhi, ...	Springer Verlag	11266708
Samanta S.; Das S.; Bhattacharjee R.; Chatterjee S.; Raut R.; Ghugre S.S.; Sinha A.K.; Garg U.; Neelam; Kumar N.; Jones P.; Laskar Md.S.R.; Babra F.S.; Biswas S.; Saha S.; Singh P.; Palit R.	Single particle configurations in Ni 61	2019	Physical Review C	99	1	14315		5	10.1103/PhysRevC.99.014315	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060968832&doi=10.1103%2fPhysRevC.99.014315&partnerID=40&md5=ef97026063294df4b83a5aba20bf3e45	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Masarrat A.; Bhogra A.; Meena R.; Bala M.; Singh R.; Barwal V.; Dong C.-L.; Chen C.-L.; Som T.; Kumar A.; Niazi A.; Asokan K.	Effect of Fe ion implantation on the thermoelectric properties and electronic structures of CoSb3 thin films	2019	RSC Advances	9	62		36113	15	10.1039/c9ra06873b	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075038437&doi=10.1039%2fc9ra06873b&partnerID=40&md5=a5a3929ce00d55a2848e3890133d65aa	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20462069
Dahiya A.; Singh S.S.	Equation of state of a PNJL model with chemically equilibrium QGP	2019	Indian Journal of Pure and Applied Physics	57	9		664	0		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073370961&partnerID=40&md5=8f1018392e6dee284ad686c957c1d9ba	Department of Physics and Astrophysics, University of Delhi	National Institute of Science Communication and Information Resources (NISCAIR)	195596
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at √s=13TeV	2019	European Physical Journal C	79	1	20		23	10.1140/epjc/s10052-018-6482-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060913403&doi=10.1140%2fepjc%2fs10052-018-6482-9&partnerID=40&md5=f2234d13f309e7b71154a9f4dcc68218	Department of Physics and Astrophysics, University of Delhi, ...	Springer New York LLC	14346044
Kumar S.; Mishra P.; Kumar A.; Goyal A.; Dalal S.; Mahapatro A.K.	Mesoporous Structure with Interconnecting Nanofibers by Irradiating Low Energy (~100 keV) Ar+-ions on Gallium Antimonide Epi-Layer	2019	IEEE Transactions on Nanotechnology	18		8835064	971	6	10.1109/TNANO.2019.2939854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072951400&doi=10.1109%2fTNANO.2019.2939854&partnerID=40&md5=25733522ff6cd2c5db47345283d762e1	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	1536125X
Sharma M.; Gupta M.; Kaghazchi P.; Murugavel S.	Size induced structural changes in maricite-NaFePO4: An in-depth study by experiment and simulations	2019	Physical Chemistry Chemical Physics	21	45		25206	4	10.1039/c9cp03838h	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075715352&doi=10.1039%2fc9cp03838h&partnerID=40&md5=5c7252887f9b71d8c10797f5fccc7ee0	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076
Gupta S.; Agarwal D.C.; Sivaiah B.; Amrithpandian S.; Asokan K.; Dhar A.; Panigrahi B.K.; Avasthi D.K.; Gupta V.	Enhancement in thermoelectric properties due to Ag nanoparticles incorporated in Bi2Te3 matrix	2019	Beilstein Journal of Nanotechnology	10			634	7	10.3762/BJNANO.10.63	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065491254&doi=10.3762%2fBJNANO.10.63&partnerID=40&md5=ac69764e74b13dfbabdbd264291ff65b	Department of Physics and Astrophysics, University of Delhi, ...	Beilstein-Institut Zur Forderung der Chemischen Wissenschaften	21904286
Goel S.; Sinha N.; Kumar B.	3D hierarchical Ho-doped ZnO micro-flowers assembled with nanosheets: A high temperature ferroelectric material	2019	Physica E: Low-Dimensional Systems and Nanostructures	105			29	20	10.1016/j.physe.2018.09.002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053468748&doi=10.1016%2fj.physe.2018.09.002&partnerID=40&md5=cfa2ad8d8d3a7a3b6dce49245432f8de	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13869477

Mukherjee D.K.; Rao S.; Das S.	Fabry-Perot interferometry in Weyl semi-metals	2019	Journal of Physics Condensed Matter	31	4	45302		1	10.1088/1361-648X/aaf0d0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058745620&doi=10.1088%2f1361-648X%2faaf0d0&partnerID=40&md5=3cf2abaa2b98cf72c1adaf889fa39636	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9538984

Kumar S.; Sharma A.; Ho Y.T.; Pandey A.; Tomar M.; Kapoor A.K.; Chang E.Y.; Gupta V.	High performance UV photodetector based on MoS2 layers grown by pulsed laser deposition technique	2020	Journal of Alloys and Compounds	835		155222		29	10.1016/j.jallcom.2020.155222	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084074372&doi=10.1016%2fj.jallcom.2020.155222&partnerID=40&md5=ca3810c042cfaaa06a4f8d77cc26766e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Gurjar M.C.; Gopal K.; Gupta D.N.; Kulagin V.V.; Suk H.	High-Field Coherent Terahertz Radiation Generation from Chirped Laser Pulse Interaction with Plasmas	2020	IEEE Transactions on Plasma Science	48	10	9203978	3727	14	10.1109/TPS.2020.3022903	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092741356&doi=10.1109%2fTPS.2020.3022903&partnerID=40&md5=bcebd89bd8d70697f0d85b403bb1c934	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	933813
Dewan S.; Tomar M.; Tandon R.P.; Gupta V.	Room temperature electroluminescence from Laser MBE grown Gallium nitride LEDs	2020	Materials Science and Engineering: B	260		114655		7	10.1016/j.mseb.2020.114655	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088821741&doi=10.1016%2fj.mseb.2020.114655&partnerID=40&md5=a30d70a16e55a875ec2727f11ee5bcdb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9215107
Dutt M.; Ratan A.; Tomar M.; Gupta V.; Singh V.	Mesoporous metal oxide–α-Fe2O3 nanocomposites for sensing formaldehyde and ethanol at room temperature	2020	Journal of Physics and Chemistry of Solids	145		109536		16	10.1016/j.jpcs.2020.109536	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085262658&doi=10.1016%2fj.jpcs.2020.109536&partnerID=40&md5=4889e580a1878ccb754eac310c15d8a0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697
Bhushan R.; Pandey A.; Vaid G.; Singh R.P.; Kabiraj D.; Mehta D.; Kapil A.; Chamoli S.K.	Fabrication of 128Te thin target for nuclear levels lifetime measurements	2020	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	983		164586		2	10.1016/j.nima.2020.164586	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090793331&doi=10.1016%2fj.nima.2020.164586&partnerID=40&md5=d109b9d6d648a10a738cd18f2c25ba0f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Gupta A.K.; Banerjee P.; Ganguly S.; Rai S.; Pragati; Mayank; Kumar S.; Kumar A.; Palit R.; Bhattacharjee S.S.; Singh R.P.; Muralithar S.	Multiphonon longitudinal wobbling in 127Xe	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	811		135854		23	10.1016/j.physletb.2020.135854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092916684&doi=10.1016%2fj.physletb.2020.135854&partnerID=40&md5=afacd9351523b834c927cb7b8cbc0fef	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of the Bs0 →x (3872)φ Decay	2020	Physical Review Letters	125	15	152001		19	10.1103/PhysRevLett.125.152001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093365355&doi=10.1103%2fPhysRevLett.125.152001&partnerID=40&md5=d7cb5ea3154cdedbcd8865ca3eae6c79	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Bhat M.Y.; Yadav N.; Hashmi S.A.	A high performance flexible gel polymer electrolyte incorporated with suberonitrile as additive for quasi-solid carbon supercapacitor	2020	Materials Science and Engineering: B	262		114721		23	10.1016/j.mseb.2020.114721	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089836492&doi=10.1016%2fj.mseb.2020.114721&partnerID=40&md5=881e7bbeaa9e6480864f3c89cd36f0df	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	9215107

Gupta S.; Gupta V.; Tomar M.	Texture evolution in PLD grown ferroelectric Strontium Barium Niobate (SBN) thin films with processing parameters	2020	Superlattices and Microstructures	148		106732		2	10.1016/j.spmi.2020.106732	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095762051&doi=10.1016%2fj.spmi.2020.106732&partnerID=40&md5=874dde743752d01c6444d659101783e0	Department of Physics and Astrophysics, University of Delhi, ...	Academic Press	7496036
Lamichhane S.; Sharma S.; Tomar M.; Kumar A.; Gupta V.	Influence of laser fluence in modifying energy storage property of BiFeO3 thin film capacitor	2020	Journal of Energy Storage	32		101769		6	10.1016/j.est.2020.101769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089817460&doi=10.1016%2fj.est.2020.101769&partnerID=40&md5=93e38b7461257b081500be6305800d57	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X
Singh D.	Retraction Note: Emergent D-Instanton as a Source of Dark Energy (Brazilian Journal of Physics, (2019), 49, 2, (249-255), 10.1007/s13538-019-00635-y)	2020	Brazilian Journal of Physics	50	5		673	1	10.1007/s13538-020-00774-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087965804&doi=10.1007%2fs13538-020-00774-7&partnerID=40&md5=0f821fc44ba05928403d10d1f8a9f789	Department of Physics and Astrophysics, University of Delhi, ...	Springer	1039733
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of the W boson rapidity, helicity, double-differential cross sections, and charge asymmetry in pp collisions at s =13 TeV	2020	Physical Review D	102	9	92012		22	10.1103/PhysRevD.102.092012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097618338&doi=10.1103%2fPhysRevD.102.092012&partnerID=40&md5=aaa6735f12b37815e1a2f74cca082874	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at s =13 TeV	2020	Physical Review D	102	11	112004		38	10.1103/PhysRevD.102.112004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098251241&doi=10.1103%2fPhysRevD.102.112004&partnerID=40&md5=93a9a358666b5f18ca14cc54e7b02ed9	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of electroweak production of Wγ with two jets in proton-proton collisions at s=13 TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	811		135988		30	10.1016/j.physletb.2020.135988	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098720639&doi=10.1016%2fj.physletb.2020.135988&partnerID=40&md5=5785a1e3c45f34ccfc9bbd84ede5123b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Hashmi S.A.; Yasir Bhat Md.; Yadav N.	Gel polymer electrolyte composition incorporating adiponitrile as a solvent for high-performance electrical double-layer capacitor	2020	ACS Applied Energy Materials	3	11		10642	16	10.1021/acsaem.0c01690	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097042761&doi=10.1021%2facsaem.0c01690&partnerID=40&md5=477955230b5facb62009a3fbe4d0a157	Department of Physics and Astrophysics, University of Delhi	American Chemical Society	25740962
Ameer S.; Jindal K.; Tomar M.; Jha P.K.; Gupta V.	Tunable electronic and magnetic properties of 3d transition metal doped Bi2Fe4O9	2020	Journal of Magnetism and Magnetic Materials	509		166893		13	10.1016/j.jmmm.2020.166893	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083645869&doi=10.1016%2fj.jmmm.2020.166893&partnerID=40&md5=4ebbf37877ed0b32f983b65c79fd4ac5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3048853
Kumar S.; Kumar L.; Islam T.; Raina K.K.	Condition monitoring of transformer breather using a capacitive moisture sensor	2020	IEEE Transactions on Industrial Electronics	67	11	8902194	9779	15	10.1109/TIE.2019.2952817	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087843820&doi=10.1109%2fTIE.2019.2952817&partnerID=40&md5=c095f508d4c71673882375ffca9a3ef5	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	2780046
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution	2020	Computing and Software for Big Science	4	1	10		18	10.1007/s41781-020-00041-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097776096&doi=10.1007%2fs41781-020-00041-z&partnerID=40&md5=1a0999693ed8dd544e1b3db7d7907549	Department of Physics and Astrophysics, University of Delhi, ...	Springer Nature	25102044

Mangla O.; Roy S.; Annapoorni S.; Asokan K.	A study on defect annealing in GaAs nanostructures by ion beam irradiation	2020	Bulletin of Materials Science	43	1	78		1	10.1007/s12034-020-2044-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079809784&doi=10.1007%2fs12034-020-2044-5&partnerID=40&md5=8630e3ce09fca9f105e5adfdc4503c86	Department of Physics and Astrophysics, University of Delhi, ...	Springer	2504707
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	12	85		26	10.1007/JHEP12(2020)085	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097568570&doi=10.1007%2fJHEP12%282020%29085&partnerID=40&md5=a7ff365de51330a16c1d11558db74f6b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sen P.; Indumathi D.; Choudhury D.	Infrared finiteness of a complete theory of charged scalars and fermions at finite temperature	2020	European Physical Journal C	80	10	972		2	10.1140/epjc/s10052-020-08498-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093090810&doi=10.1140%2fepjc%2fs10052-020-08498-3&partnerID=40&md5=6c7675da5c5e4ab082c1a7848f85f37b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Guha Majumdar M.	Quantum hyper-CPHASE gates with polarisation and orbital angular momentum degrees of freedom and generalisation to arbitrary hyper-conditional gates	2020	Quantum Information Processing	19	10	352		1	10.1007/s11128-020-02862-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091322852&doi=10.1007%2fs11128-020-02862-8&partnerID=40&md5=5af239bbcf46ed71b1fe895a62d463b5	Department of Physics and Astrophysics, University of Delhi	Springer	15700755
Yadav N.; Mishra K.; Hashmi S.A.	Nanozirconia polymer composite porous membrane prepared by sustainable immersion precipitation method for use as electrolyte in flexible supercapacitors	2020	Materials Today Communications	25		101506		10	10.1016/j.mtcomm.2020.101506	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088887608&doi=10.1016%2fj.mtcomm.2020.101506&partnerID=40&md5=a3b3e1f5eef041cad8a912df11f1e116	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of single-diffractive dijet production in proton–proton collisions at √s=8Te with the CMS and TOTEM experiments	2020	European Physical Journal C	80	12	1164		5	10.1140/epjc/s10052-020-08562-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102351243&doi=10.1140%2fepjc%2fs10052-020-08562-y&partnerID=40&md5=c5ced2488ccb346f2fa638e5bbb301f6	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of production cross sections of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at s=13TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	809		135710		57	10.1016/j.physletb.2020.135710	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090038895&doi=10.1016%2fj.physletb.2020.135710&partnerID=40&md5=4fa3bad8af7fb52c13d64335e464196e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Swami R.; Bokolia R.; Sreenivas K.	Effects of sintering temperature on structural, electrical and ferroelectric properties of La2Ti2O7 ceramics	2020	Ceramics International	46	17		26790	12	10.1016/j.ceramint.2020.07.154	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088866157&doi=10.1016%2fj.ceramint.2020.07.154&partnerID=40&md5=722ed1ba58f6906aa1964dc190a40f64	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Investigation into the event-activity dependence of Υ(nS) relative production in proton-proton collisions at √s = 7 TeV	2020	Journal of High Energy Physics	2020	11	1		15	10.1007/JHEP11(2020)001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096395259&doi=10.1007%2fJHEP11%282020%29001&partnerID=40&md5=8c48a03175cf97cf23c7070f93df2c62	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at s=13 TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	808		135609		18	10.1016/j.physletb.2020.135609	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088271548&doi=10.1016%2fj.physletb.2020.135609&partnerID=40&md5=e8cc164811458f33fdb09904a4982c4b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Lamichhane S.; Sharma S.; Tomar M.; Gupta V.	Effect of laser fluence on multiferroic BiFeO3 ferroelectric photovoltaic cells	2020	Journal of Physics and Chemistry of Solids	146		109602		14	10.1016/j.jpcs.2020.109602	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088642298&doi=10.1016%2fj.jpcs.2020.109602&partnerID=40&md5=bcc11e191ecf71cd188579580acb6f66	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697
Yadav M.; Gupta D.N.; Sharma S.C.	Electron plasma wave excitation by a q-Gaussian laser beam and subsequent electron acceleration	2020	Physics of Plasmas	27	9	93106		21	10.1063/5.0007998	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094966751&doi=10.1063%2f5.0007998&partnerID=40&md5=fd837aa04700c2fe03b59812b0bca599	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Kumar S.; Mahapatro A.K.; Mishra P.	2 MeV Argon (Ar+) ion induced nano-fabrication in GaSb epi-layers on GaAs substrates	2020	Vacuum	179		109523		1	10.1016/j.vacuum.2020.109523	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086732236&doi=10.1016%2fj.vacuum.2020.109523&partnerID=40&md5=b7ac33788b3c79e24981dd0bca23e941	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Deb N.K.; Kalita K.; Rashid H.A.; Nath S.; Gehlot J.; Madhavan N.; Biswas R.; Sahoo R.N.; Giri P.K.; Das A.; Rajbongshi T.; Parihari A.; Rai N.K.; Biswas S.; Khushboo; Mahato A.; Roy B.J.; Vinayak A.; Rani A.	Role of neutron transfer in the sub-barrier fusion cross section in O 18 + Sn 116	2020	Physical Review C	102	3	34603		18	10.1103/PhysRevC.102.034603	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092738564&doi=10.1103%2fPhysRevC.102.034603&partnerID=40&md5=be3336b02237287adea4f091bce22254	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in proton-proton collisions at √s = 13 TeV in events with high-momentum Z bosons and missing transverse momentum	2020	Journal of High Energy Physics	2020	9	149		9	10.1007/JHEP09(2020)149	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091428716&doi=10.1007%2fJHEP09%282020%29149&partnerID=40&md5=4e67fb909096cac3f9f7ad01e3afdce9	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Phogat A.; Ahmad R.; Kumar H.; Ahmed A.; Kumar A.; Naimuddin M.	Outgassing and leak test of INO-ICAL RPC detectors	2020	Journal of Instrumentation	15	10	T10006		0	10.1088/1748-0221/15/10/T10006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095695018&doi=10.1088%2f1748-0221%2f15%2f10%2fT10006&partnerID=40&md5=85dcdca071baf82cb31891148d007c9a	Department of Physics and Astrophysics, University of Delhi	IOP Publishing Ltd	17480221
Singh G.; Sahu S.; Subramaniam A.; Yadav R.K.S.	Peculiarities in the Horizontal Branch Stars of Globular Cluster NGC 1851: Discovery of a Blue Straggler Companion to an EHB Star	2020	Astrophysical Journal	905	1	44		15	10.3847/1538-4357/abc173	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098216817&doi=10.3847%2f1538-4357%2fabc173&partnerID=40&md5=fc4a3caae5b56df96e9051cc29fdd0bd	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	0004637X
Ananthanarayan B.; Das D.; Khan M.S.A.A.	QCD static energy using optimal renormalization and asymptotic Padé-approximant methods	2020	Physical Review D	102	7	76008		5	10.1103/PhysRevD.102.076008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093529317&doi=10.1103%2fPhysRevD.102.076008&partnerID=40&md5=9cde8083e9144552e5ddedca30e62373	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Patle V.K.; Kumar R.; Sharma A.; Dwivedi N.; Muchhala D.; Chaudhary A.; Mehta Y.; Mondal D.P.; Srivastava A.K.	Three dimension phenolic resin derived carbon-CNTs hybrid foam for fire retardant and effective electromagnetic interference shielding	2020	Composites Part C: Open Access	2		100020		21	10.1016/j.jcomc.2020.100020	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106612411&doi=10.1016%2fj.jcomc.2020.100020&partnerID=40&md5=a7e8d464b0fb6cb3933a39daf54db905	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	26666820
Kumar P.; Vedeshwar A.G.	Cavity-assisted enhanced and dephasing-immune squeezing in the resonance fluorescence of a single quantum dot	2020	Physical Review A	102	4	43715		1	10.1103/PhysRevA.102.043715	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095123696&doi=10.1103%2fPhysRevA.102.043715&partnerID=40&md5=a393e0547d603a643e77b740e5270710	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699926

Devi S.; Tyagi A.; Prasad V.	Thermal behaviour of hindered rotor in static electric and laser field	2020	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	240		118538		1	10.1016/j.saa.2020.118538	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086078463&doi=10.1016%2fj.saa.2020.118538&partnerID=40&md5=964f4db03b23def16cd166ca35227919	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13861425
Das Gupta P.	F J Dyson: The Man Who Would Make Patterns and Disturb the Universe	2020	Resonance	25	10		1319	0	10.1007/s12045-020-1054-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094642549&doi=10.1007%2fs12045-020-1054-3&partnerID=40&md5=2911f0045074a1ff4c53d9378b58e25d	Department of Physics and Astrophysics, University of Delhi	Springer	9718044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of the Production of Three Massive Gauge Bosons at s =13 TeV	2020	Physical Review Letters	125	15	151802		25	10.1103/PhysRevLett.125.151802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093365020&doi=10.1103%2fPhysRevLett.125.151802&partnerID=40&md5=8992a2a28fe8005aed9c6a5b0efa788c	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Mishra K.; Yadav N.; Hashmi S.A.	Recent progress in electrode and electrolyte materials for flexible sodium-ion batteries	2020	Journal of Materials Chemistry A	8	43		22507	47	10.1039/d0ta07188a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096123719&doi=10.1039%2fd0ta07188a&partnerID=40&md5=f5f0b393538e0f15ccbf1d7226defd07	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20507488
Choudhary S.; Kumar V.; Malik V.; Nagarajan R.; Annapoorni S.; Malik R.	Synthesis of ZnO@Ag dumbbells for highly efficient visible-light photocatalysts	2020	Journal of Physics Condensed Matter	32	40	405202		3	10.1088/1361-648X/ab9e2e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088018354&doi=10.1088%2f1361-648X%2fab9e2e&partnerID=40&md5=57cb9ef160327d012d70c5e00938fc5e	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9538984
Rajput J.; Kumar H.; Bhatt P.; Safvan C.P.	A new technique for measurement of subrotational lifetime of molecular ions	2020	Scientific Reports	10	1	20301		2	10.1038/s41598-020-77408-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096300640&doi=10.1038%2fs41598-020-77408-0&partnerID=40&md5=d947cd0d743f274f0af278645eddae7d	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	20452322
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the Y(1S) pair production cross section and search for resonances decaying to Y(1S)μ+μ− in proton-proton collisions at s=13TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	808		135578		39	10.1016/j.physletb.2020.135578	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087979274&doi=10.1016%2fj.physletb.2020.135578&partnerID=40&md5=008abf4d954486eba53c97fe3899e7f0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Prasad J.; Singh A.K.; Yadav A.N.; Kumar A.; Tomar M.; Srivastava A.; Kumar P.; Gupta V.; Singh K.	Molybdenum Disulfide-Wrapped Carbon Nanotube-Reduced Graphene Oxide (CNT/MoS2-rGO) Nanohybrids for Excellent and Fast Removal of Electromagnetic Interference Pollution	2020	ACS Applied Materials and Interfaces	12	36		40828	30	10.1021/acsami.0c06219	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090870274&doi=10.1021%2facsami.0c06219&partnerID=40&md5=5775c6691a7d00bd40e2addc03ede53a	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	19448244
Sharma M.; Murugavel S.; Kaghazchi P.	Polaron transport mechanism in maricite NaFePO4: A combined experimental and simulation study	2020	Journal of Power Sources	469		228348		2	10.1016/j.jpowsour.2020.228348	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086471257&doi=10.1016%2fj.jpowsour.2020.228348&partnerID=40&md5=1a89ee20663c405d7fe4f9142661f12e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3787753
Sharma M.K.; Myrzakulov K.; Al Ajmi M.	Curvaton: Perturbations and reheating	2020	Modern Physics Letters A	35	31	2050259		1	10.1142/S0217732320502594	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093817696&doi=10.1142%2fS0217732320502594&partnerID=40&md5=52a73a47a4a0e771971fd7f88fa150dd	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2177323

Malik G.P.; Varma V.S.	On a New Number Equation Incorporating Both Temperature and Applied Magnetic Field and Its Application to MgB2	2020	Journal of Superconductivity and Novel Magnetism	33	12		3681	3	10.1007/s10948-020-05639-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089598514&doi=10.1007%2fs10948-020-05639-3&partnerID=40&md5=9cbe2f112e5f557a526d6179e096e9eb	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571939
Issar S.; Mahapatro A.K.	Floating metal layer as top electrode over vertically aligned nanorod arrays using angle deposition technique	2020	Nanotechnology	31	46	465301		0	10.1088/1361-6528/abacf4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090401693&doi=10.1088%2f1361-6528%2fabacf4&partnerID=40&md5=58e8ba4fc603bf0324b2a2c8e71afb14	Department of Physics and Astrophysics, University of Delhi	Institute of Physics Publishing	9574484
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at sNN =5.02 TeV	2020	Physical Review Letters	125	10	102001		8	10.1103/PhysRevLett.125.102001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091470163&doi=10.1103%2fPhysRevLett.125.102001&partnerID=40&md5=6a3cd9b4326912c0ae70ee22c074ecaa	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Varshney V.; Kumarasamy S.; Biswal B.; Prasad A.	Bifurcation delay, travelling waves and chimera-like states in a network of coupled oscillators	2020	European Physical Journal: Special Topics	229	12-13		2307	6	10.1140/epjst/e2020-900192-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092009856&doi=10.1140%2fepjst%2fe2020-900192-x&partnerID=40&md5=f5bcb007c8dce3eb73d4d79158268b89	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	19516355
Yadav N.; Hashmi S.A.	Energy enhancement of quasi-solid-state supercapacitors based on a non-aqueous gel polymer electrolyteviaa synergistic effect of dual redox additives diphenylamine and potassium iodide	2020	Journal of Materials Chemistry A	8	35		18266	37	10.1039/d0ta06331b	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091330027&doi=10.1039%2fd0ta06331b&partnerID=40&md5=dcf839c79297bd268420da65532b3e2a	Department of Physics and Astrophysics, University of Delhi	Royal Society of Chemistry	20507488
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	12	82		8	10.1007/JHEP12(2020)082	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097603848&doi=10.1007%2fJHEP12%282020%29082&partnerID=40&md5=0c8d4b61d470a761433a268a5110e980	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Bhardwaj P.; Singh S.; Kharangarh P.R.; Grace A.N.	Surfactant decorated polypyrrole-carbon materials composites electrodes for supercapacitor	2020	Diamond and Related Materials	108		107989		38	10.1016/j.diamond.2020.107989	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087589735&doi=10.1016%2fj.diamond.2020.107989&partnerID=40&md5=2f549b195517b6b843c6279f97b98127	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9259635
Dhaka S.K.; Chetna; Kumar V.; Panwar V.; Dimri A.P.; Singh N.; Patra P.K.; Matsumi Y.; Takigawa M.; Nakayama T.; Yamaji K.; Kajino M.; Misra P.; Hayashida S.	PM2.5 diminution and haze events over Delhi during the COVID-19 lockdown period: an interplay between the baseline pollution and meteorology	2020	Scientific Reports	10	1	13442		65	10.1038/s41598-020-70179-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089263106&doi=10.1038%2fs41598-020-70179-8&partnerID=40&md5=bbf74cf5d5661e92ef494529bd3ae075	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	20452322
Majumder C.; Sharma H.P.; Chakraborty S.; Tiwary S.S.; Singh R.P.; Muralithar S.; Bala I.; Bhattacharjee S.S.; Garg R.; Neelam; Sharma A.; Madhusudhana Rao P.V.	Lifetime measurements in 104Pd	2020	Journal of Physics G: Nuclear and Particle Physics	47	12	125104		2	10.1088/1361-6471/abb785	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096057613&doi=10.1088%2f1361-6471%2fabb785&partnerID=40&md5=e7bf52af3fde5553b09c149d2b973f3c	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9543899

Jarwal B.; Singh S.S.	Effect of chemical potential on rotation of boson star	2020	Indian Journal of Physics	94	9		1483	1	10.1007/s12648-019-01584-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074323557&doi=10.1007%2fs12648-019-01584-7&partnerID=40&md5=9c4288c2f4fc0687ca0342fa9fe0ce8b	Department of Physics and Astrophysics, University of Delhi	Springer	9731458
Phogat A.; Rafik M.; Kumar A.; Naimuddin M.	Uniformity study of large size glass RPC detector using an alternative front-end electronics for INO-ICAL experiment	2020	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	978		164336		1	10.1016/j.nima.2020.164336	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087880894&doi=10.1016%2fj.nima.2020.164336&partnerID=40&md5=0a13a9a20aeb2897bbc3b35d6ca3d5cf	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	1689002
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Performance of the CMS Level-1 trigger in proton-proton collisions at √s = 13 TeV	2020	Journal of Instrumentation	15	10	P10017		111	10.1088/1748-0221/15/10/P10017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096366340&doi=10.1088%2f1748-0221%2f15%2f10%2fP10017&partnerID=40&md5=6956d2a4fbed8a34f045a9def164c67d	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	17480221
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for decays of the 125 GeV Higgs boson into a Z boson and a ρ or ϕ meson	2020	Journal of High Energy Physics	2020	11	39		6	10.1007/JHEP11(2020)039	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095855214&doi=10.1007%2fJHEP11%282020%29039&partnerID=40&md5=26ad0c80702e7192c5f55649923180ac	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Mandlik N.T.; Sahare P.D.; Rondiya S.R.; Dzade N.Y.; Deore A.V.; Dahiwale S.S.; Dhole S.D.	Characteristics of K2Ca2(SO4)3:Eu TLD nanophosphor for its applications in electron and gamma rays dosimetry	2020	Optical Materials	109		110272		6	10.1016/j.optmat.2020.110272	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089755763&doi=10.1016%2fj.optmat.2020.110272&partnerID=40&md5=330dcd8a4bbf486e35d96ab109e2176d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9253467
Jamdegni M.; Kaur A.	Role of polarity of surfactants on the morphology of electrochemically synthesized polyaniline nanostructures: Towards faster and efficient electrochromic response	2020	Thin Solid Films	714		138373		5	10.1016/j.tsf.2020.138373	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092218693&doi=10.1016%2fj.tsf.2020.138373&partnerID=40&md5=9dcb20d634fca91170228baa55bf8b39	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	406090
Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Banerjee P.; Ganguly S.; Kumar S.; Kumar A.; Kumar A.; Singh R.P.; Muralithar S.	Indication of γ -vibration in 123,125,127I	2020	Journal of Physics G: Nuclear and Particle Physics	47	9	95104		6	10.1088/1361-6471/ab97c8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090467991&doi=10.1088%2f1361-6471%2fab97c8&partnerID=40&md5=a6e73348f8b135cad40df199b86c547e	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9543899
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the top quark Yukawa coupling from tt¯ kinematic distributions in the dilepton final state in proton-proton collisions at s=13 TeV	2020	Physical Review D	102	9	92013		14	10.1103/PhysRevD.102.092013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097184545&doi=10.1103%2fPhysRevD.102.092013&partnerID=40&md5=f5e5942396839a996e58a38a74462407	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Bhardwaj A.; Rejkuba M.; de Grijs R.; Herczeg G.J.; Singh H.P.; Kanbur S.; Ngeow C.-C.	Near-infrared census of RR lyrae variables in the messier 3 globular cluster and the period–luminosity relations	2020	Astronomical Journal	160	5	220		8	10.3847/1538-3881/abb3f9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095780853&doi=10.3847%2f1538-3881%2fabb3f9&partnerID=40&md5=208b8ca2b9dc086a2bad3de2c9fcf491	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	46256

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Evidence for Top Quark Production in Nucleus-Nucleus Collisions	2020	Physical Review Letters	125	22	222001		10	10.1103/PhysRevLett.125.222001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097318502&doi=10.1103%2fPhysRevLett.125.222001&partnerID=40&md5=d95a61c82368d323096a0afd2a000b4a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Kumar R.; Sharma A.; Pandey A.; Chaudhary A.; Dwivedi N.; Shafeeq M M.; Mondal D.P.; Srivastava A.K.	Lightweight carbon-red mud hybrid foam toward fire-resistant and efficient shield against electromagnetic interference	2020	Scientific Reports	10	1	9913		21	10.1038/s41598-020-66929-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086730405&doi=10.1038%2fs41598-020-66929-3&partnerID=40&md5=52cb38b55521f0e4a3114e145986be96	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	20452322
Kumar R.; Kaur A.	Chemiresistive gas sensors based on thermally reduced graphene oxide for sensing sulphur dioxide at room temperature	2020	Diamond and Related Materials	109		108039		21	10.1016/j.diamond.2020.108039	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089799511&doi=10.1016%2fj.diamond.2020.108039&partnerID=40&md5=9599e46263cc18c769b163b265888aa9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9259635
Bharadvaja A.; Kaur S.; Baluja K.L.	Electron-impact cross-sections of atmospherically relevant amines from intermediate to 5000 eV energy range	2020	Pramana - Journal of Physics	94	1	73		2	10.1007/s12043-020-1923-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084146174&doi=10.1007%2fs12043-020-1923-z&partnerID=40&md5=58d4e6a265421f6dac3159dd82455793	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3044289
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a light charged Higgs boson in the H± →cs channel in proton-proton collisions at s =13 TeV search for a light charged Higgs Boson in the ... Sirunyan A. M. et al.	2020	Physical Review D	102	7	72001		25	10.1103/PhysRevD.102.072001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096777340&doi=10.1103%2fPhysRevD.102.072001&partnerID=40&md5=6fd2812d76784f238db607b28fd29dbe	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions	2020	Journal of Instrumentation	15	10	P10002		10	10.1088/1748-0221/15/10/P10002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096494444&doi=10.1088%2f1748-0221%2f15%2f10%2fP10002&partnerID=40&md5=88ef4368f8629db06809920c3a78c188	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	17480221
Ananthanarayan B.; Caprini I.; Das D.	Test of analyticity and unitarity for the pion form-factor data around the ρ resonance	2020	Physical Review D	102	9	96003		7	10.1103/PhysRevD.102.096003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096106100&doi=10.1103%2fPhysRevD.102.096003&partnerID=40&md5=1edb1b971a31f7e6ff0f5d8d2d42d578	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Batra K.; Sinha N.; Kumar B.	Tb-doped ZnO:PDMS based flexible nanogenerator with enhanced piezoelectric output performance by optimizing nanofiller concentration	2020	Ceramics International	46	15		24120	28	10.1016/j.ceramint.2020.06.191	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086773249&doi=10.1016%2fj.ceramint.2020.06.191&partnerID=40&md5=04ba1fe9621a6951b5df5a7c4b2cdc6d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Gangopadhyay A.; Misra K.; Sahu D.K.; Wang S.-Q.; Kumar B.; Li L.; Anupama G.C.; Dastidar R.; Elias-Rosa N.; Kumar B.; Singh M.; Pandey S.B.; Sanwal P.; Singh A.; Srivastav S.; Tartaglia L.; Tomasella L.	Optical studies of two stripped-envelope supernovae-SN 2015ap (Type Ib) and SN 2016P (Type Ic)	2020	Monthly Notices of the Royal Astronomical Society	497	3		3770	7	10.1093/mnras/staa1821	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097012654&doi=10.1093%2fmnras%2fstaa1821&partnerID=40&md5=ffd73659f89341c27d886cbe60a2de18	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711

Kumar J.; Singh H.; Bhasker Raj V.; Nimal A.T.; Gupta V.; Singh V.K.	Trace detection of nerve agent simulant in the fuel vapour environment using metal oxide/surface acoustic wave e-nose	2020	Defence Science Journal	70	5		520	4	10.14429/DSJ.70.14584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095863958&doi=10.14429%2fDSJ.70.14584&partnerID=40&md5=50029292bbc83c20ac0aebd22d087dd3	Department of Physics and Astrophysics, University of Delhi, ...	Defense Scientific Information and Documentation Centre	0011748X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of Bc (2S)+ and Bc∗ (2S)+ cross section ratios in proton-proton collisions at s =13 TeV	2020	Physical Review D	102	9	92007		9	10.1103/PhysRevD.102.092007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097205855&doi=10.1103%2fPhysRevD.102.092007&partnerID=40&md5=eadf625d122dd09131867ebf805ab662	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Hor A.A.; Hashmi S.A.	Optimization of hierarchical porous carbon derived from a biomass pollen-cone as high-performance electrodes for supercapacitors	2020	Electrochimica Acta	356		136826		59	10.1016/j.electacta.2020.136826	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089349709&doi=10.1016%2fj.electacta.2020.136826&partnerID=40&md5=b866ae11ce5add1e9bfd282e16a2759	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	134686
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Pileup mitigation at CMS in 13 TeV data	2020	Journal of Instrumentation	15	9	P09018		77	10.1088/1748-0221/15/09/P09018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096670844&doi=10.1088%2f1748-0221%2f15%2f09%2fP09018&partnerID=40&md5=94b3b68ad2c2b946e739b76fe2cd7b4f	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	17480221
Prasad J.; Singh A.K.; Tomar M.; Gupta V.; Singh K.	High-efficiency microwave absorption and electromagnetic interference shielding of Cobalt-doped MoS2 nanosheet anchored on the surface reduced graphene oxide nanosheet	2020	Journal of Materials Science: Materials in Electronics	31	22		19895	7	10.1007/s10854-020-04512-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091794962&doi=10.1007%2fs10854-020-04512-2&partnerID=40&md5=cc2a0b8e3a640228a2ff29795434144a	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522
Jain S.; Paliwal A.; Gupta V.; Tomar M.	Refractive index tuning of SiO2 for Long Range Surface Plasmon Resonance based biosensor	2020	Biosensors and Bioelectronics	168		112508		15	10.1016/j.bios.2020.112508	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090345313&doi=10.1016%2fj.bios.2020.112508&partnerID=40&md5=3fee2fb4e63a1c70077ae4e84aaf73ab	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9565663
Laveen P.V.; Prasad E.; Madhavan N.; Nasirov A.K.; Gehlot J.; Nath S.; Mandaglio G.; Giardina G.; Vinodkumar A.M.; Shareef M.; Shamlath A.; Duggi S.K.; Devi P.S.; Banerjee T.; Hosamani M.M.; Khushboo; Jisha P.; Kumar N.; Sharma P.; Varughese T.	Fusion studies in Cl 35,37 + Ta 181 reactions via evaporation residue cross section measurements	2020	Physical Review C	102	3	34613		1	10.1103/PhysRevC.102.034613	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092728293&doi=10.1103%2fPhysRevC.102.034613&partnerID=40&md5=017c56cfe51f5480615d13cde6f74581	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Dahiya A.; Singh S.S.	Equation of state of PNJL model under the influence of thermal mass and magnetic field	2020	Pramana - Journal of Physics	94	1	121		2	10.1007/s12043-020-01994-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089315273&doi=10.1007%2fs12043-020-01994-x&partnerID=40&md5=6b48cebafe10ab29d3beb84542f1ab19	Department of Physics and Astrophysics, University of Delhi	Springer	3044289

Tiwary S.S.; Sharma H.P.; Chakraborty S.; Majumder C.; Gupta A.K.; Modi S.; Arumugam P.; Banerjee P.; Ganguly S.; Devi K.R.; Neelam; Kumar S.; Chamoli S.K.; Sharma A.; Jyothi V.V.; Mayank; Kumar A.; Bhattacharjee S.S.; Bala I.; Muralithar S.; Singh R.P.	Structure of positive parity states in 139Pm	2020	Physica Scripta	95	9	95304		0	10.1088/1402-4896/abaea8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091860263&doi=10.1088%2f1402-4896%2fabaea8&partnerID=40&md5=8ef21cb2aa7cc1d1b4ee9b87707c68dd	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	318949
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Adjusting neutrino interaction models and evaluating uncertainties using NOvA near detector data	2020	European Physical Journal C	80	12	1119		17	10.1140/epjc/s10052-020-08577-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097186024&doi=10.1140%2fepjc%2fs10052-020-08577-5&partnerID=40&md5=46a7d1060a0f05eb004ebc918703fe93	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Bassi M.; Bharadvaja A.; Baluja K.L.	A study of electron scattering from 1-1 C2H2F2 from 0.1 eV to 5 keV	2020	European Physical Journal D	74	12	232		8	10.1140/epjd/e2020-10035-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096963525&doi=10.1140%2fepjd%2fe2020-10035-6&partnerID=40&md5=15b5f5ddcc1ae20e647f38fc5a17a117	Formerly at Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Kunj S.	Defects and dopant alliance towards bound magnetic polarons formation and mixed magnetic characteristics in Fe doped ZnO nanoparticles	2020	Journal of Industrial and Engineering Chemistry	92			145	12	10.1016/j.jiec.2020.08.033	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090864999&doi=10.1016%2fj.jiec.2020.08.033&partnerID=40&md5=c70f8adee9b778b64e5d78fbf297d3c1	Department of Physics and Astrophysics, University of Delhi	Korean Society of Industrial Engineering Chemistry	1226086X
Mandlik N.T.; Sahare P.D.; Dhole S.D.; Balraj A.	Effect of annealing temperature and phase change on thermoluminescence and photoluminescence of K2Ca2(SO4)3:Eu nanophosphor	2020	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	480			105	9	10.1016/j.nimb.2020.07.011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090040813&doi=10.1016%2fj.nimb.2020.07.011&partnerID=40&md5=d4cf6b225bdf9161db6146ebf2e552f5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	0168583X
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Supernova neutrino detection in NOvA	2020	Journal of Cosmology and Astroparticle Physics	2020	10	14		9	10.1088/1475-7516/2020/10/014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092700901&doi=10.1088%2f1475-7516%2f2020%2f10%2f014&partnerID=40&md5=9ef742097f66287b61abfa6ac07194aa	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	14757516
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Determination of the strong coupling constant α S(mZ) from measurements of inclusive W ± and Z boson production cross sections in proton-proton collisions at √s = 7 and 8 TeV	2020	Journal of High Energy Physics	2020	6	18		6	10.1007/JHEP06(2020)018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086027848&doi=10.1007%2fJHEP06%282020%29018&partnerID=40&md5=c6d3190f3202db7ad74c853c0eeb14d4	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sharma K.; Singh H.P.; Gupta R.; Kembhavi A.; Vaghmare K.; Shi J.; Zhao Y.; Zhang J.; Wu Y.	Stellar spectral interpolation using machine learning	2020	Monthly Notices of the Royal Astronomical Society	496	4		5002	4	10.1093/mnras/staa1809	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095458720&doi=10.1093%2fmnras%2fstaa1809&partnerID=40&md5=b13534692f3c46bbe9ba2a40f13fa03b	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	5	52		6	10.1007/JHEP05(2020)052	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084637829&doi=10.1007%2fJHEP05%282020%29052&partnerID=40&md5=f189f8085b3a38352207eab4d1624bb2	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708

Mandlik N.T.; Rondiya S.R.; Dzade N.Y.; Kulkarni M.S.; Sahare P.D.; Bhatt B.C.; Dhole S.D.	Thermoluminescence, photoluminescence and optically stimulated luminescence characteristics of CaSO4:Eu phosphor: Experimental and density functional theory (DFT) investigations	2020	Journal of Luminescence	221		117051		12	10.1016/j.jlumin.2020.117051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078922316&doi=10.1016%2fj.jlumin.2020.117051&partnerID=40&md5=34e43ca230a8d6ba087f82e681e4f712	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	222313
Yadav N.; Ritu; Promila; Hashmi S.A.	Hierarchical porous carbon derived from eucalyptus-bark as a sustainable electrode for high-performance solid-state supercapacitors	2020	Sustainable Energy and Fuels	4	4		1730	38	10.1039/c9se00812h	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082749116&doi=10.1039%2fc9se00812h&partnerID=40&md5=f10c1ce1ce8b03dfe292919ccd00a679	Department of Physics and Astrophysics, University of Delhi	Royal Society of Chemistry	23984902
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for disappearing tracks in proton-proton collisions at s=13TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	806		135502		59	10.1016/j.physletb.2020.135502	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085763414&doi=10.1016%2fj.physletb.2020.135502&partnerID=40&md5=68c04fccd3be8ca088300274275729e9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Waikar M.R.; Sonker R.K.; Gupta S.; Chakarvarti S.K.; Sonkawade R.G.	Post-γ -irradiation effects on structural, optical and morphological properties of chemical vapour deposited MWCNTs	2020	Materials Science in Semiconductor Processing	110		104975		11	10.1016/j.mssp.2020.104975	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078811415&doi=10.1016%2fj.mssp.2020.104975&partnerID=40&md5=abf9d89ca2330bbbb54687982bad91c9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13698001
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	A measurement of the Higgs boson mass in the diphoton decay channel	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	805		135425		86	10.1016/j.physletb.2020.135425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083661454&doi=10.1016%2fj.physletb.2020.135425&partnerID=40&md5=f7b4f49f225f1d59b753f4a73cbfde29	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum to: Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at s = 7 Te (The European Physical Journal C, (2018), 78, 3, (242), 10.1140/epjc/s10052-018-5691-6)	2020	European Physical Journal C	80	5	441		1	10.1140/epjc/s10052-020-7946-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088935907&doi=10.1140%2fepjc%2fs10052-020-7946-2&partnerID=40&md5=8e87c534ff6509b651791d771a0c8372	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Mandlik N.T.; Sahare P.D.; Dhole S.D.	Effect of size variation and gamma irradiation on thermoluminescence and photoluminescence characteristics of CaSO4:Eu micro- and nanophosphors	2020	Applied Radiation and Isotopes	159		109080		10	10.1016/j.apradiso.2020.109080	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079849559&doi=10.1016%2fj.apradiso.2020.109080&partnerID=40&md5=4450e1189c853252c35d34fdaba62ac3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9698043
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Strange hadron production in pp and pPb collisions at sNN =5.02 TeV	2020	Physical Review C	101	6	64906		10	10.1103/PhysRevC.101.064906	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093091903&doi=10.1103%2fPhysRevC.101.064906&partnerID=40&md5=628cdcbf49a438155a1daf4a01cc466d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Kumar N.; Nomura T.; Okada H.	Scotogenic neutrino mass with large SU(2) L multiplet fields	2020	European Physical Journal C	80	8	801		3	10.1140/epjc/s10052-020-8352-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090048048&doi=10.1140%2fepjc%2fs10052-020-8352-5&partnerID=40&md5=66b4e116563aae7b0de60684fe97be92	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Gandhi S.; Issar S.; Mahapatro A.K.; Roy I.	Cobalt ferrite nanoparticles for bimodal hyperthermia and their mechanistic interactions with lysozyme	2020	Journal of Molecular Liquids	310		113194		19	10.1016/j.molliq.2020.113194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084035698&doi=10.1016%2fj.molliq.2020.113194&partnerID=40&md5=89be8ab7fc95c1e5f0f2b66aed02d463	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1677322

Sinha N.; Batra K.; Bhukkal S.; Kumar R.; Kumar S.; Goel S.; Kumar B.	Effect of sunset yellow dye on morphological, optical, dielectric, thermal and mechanical properties of KDP crystal	2020	Arabian Journal of Chemistry	13	6		5750	21	10.1016/j.arabjc.2020.04.013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083882209&doi=10.1016%2fj.arabjc.2020.04.013&partnerID=40&md5=2ebb8dc5b98dfb8a9e837d01156895eb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	18785352
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of t t ¯ H Production and the CP Structure of the Yukawa Interaction between the Higgs Boson and Top Quark in the Diphoton Decay Channel	2020	Physical Review Letters	125	6	61801		73	10.1103/PhysRevLett.125.061801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089978062&doi=10.1103%2fPhysRevLett.125.061801&partnerID=40&md5=665c5469ebf8d5dee83ca058fbe4acd4	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Measurement of neutrino-induced neutral-current coherent π0 production in the NOvA near detector	2020	Physical Review D	102	1	12004		13	10.1103/PhysRevD.102.012004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092231929&doi=10.1103%2fPhysRevD.102.012004&partnerID=40&md5=83d4ea3ef06b4c808dd328ba903f5b41	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques	2020	Journal of Instrumentation	15	6	P06005		83	10.1088/1748-0221/15/06/P06005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088524436&doi=10.1088%2f1748-0221%2f15%2f06%2fP06005&partnerID=40&md5=7b7bcc7acdfc5d0eef8f5ae98a6c390d	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	17480221
Waikar M.R.; Raste P.M.; Sonker R.K.; Gupta V.; Tomar M.; Shirsat M.D.; Sonkawade R.G.	Enhancement in NH3 sensing performance of ZnO thin-film via gamma-irradiation	2020	Journal of Alloys and Compounds	830		154641		44	10.1016/j.jallcom.2020.154641	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081328418&doi=10.1016%2fj.jallcom.2020.154641&partnerID=40&md5=968600e6a1904d9033c19f995b739bd2	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Sundari S.S.; Kumar B.; Dhanasekaran R.	Dielectric and conductivity properties of flux grown Ce doped NBT-BT single crystals	2020	Physica B: Condensed Matter	582		411978		3	10.1016/j.physb.2019.411978	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078011146&doi=10.1016%2fj.physb.2019.411978&partnerID=40&md5=55671c5494d628fead509af94624011a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9214526
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Study of J/ψ meson production inside jets in pp collisions at s=8TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	804		135409		11	10.1016/j.physletb.2020.135409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082850250&doi=10.1016%2fj.physletb.2020.135409&partnerID=40&md5=654d36174f9b46d726603382d73a3195	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Pandey P.P.; Singh H.; Jain S.	Exponential trajectories, cell size fluctuations, and the adder property in bacteria follow from simple chemical dynamics and division control	2020	Physical Review E	101	6	62406		11	10.1103/PhysRevE.101.062406	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087547118&doi=10.1103%2fPhysRevE.101.062406&partnerID=40&md5=32a987171841d11b18dc444472310d40	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700045
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dijet resonances using events with three jets in proton-proton collisions at s=13TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	805		135448		14	10.1016/j.physletb.2020.135448	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083832485&doi=10.1016%2fj.physletb.2020.135448&partnerID=40&md5=d6c3ef5a9da1cbbdf09b95fc8e628f0c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Production of Λc + baryons in proton-proton and lead-lead collisions at s =5.02TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	803		135328		44	10.1016/j.physletb.2020.135328	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85080054268&doi=10.1016%2fj.physletb.2020.135328&partnerID=40&md5=cd63d3ff6a6b745007c59a7028c349ad	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at s =13 TeV	2020	Physical Review Letters	124	13	131802		55	10.1103/PhysRevLett.124.131802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083755554&doi=10.1103%2fPhysRevLett.124.131802&partnerID=40&md5=4b9a7d3b86cffa9a60affdd33673fe75	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Yadav I.; Jain S.; Lamba S.S.; Tomar M.; Gupta S.; Gupta V.; Jain K.K.; Dutta S.; Chatterjee R.	Effect of growth and electrical properties of TiO x films on microbolometer design	2020	Journal of Materials Science: Materials in Electronics	31	9		6671	11	10.1007/s10854-020-03223-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082759341&doi=10.1007%2fs10854-020-03223-y&partnerID=40&md5=fecc1924f9974641cf0415da4c36a0d3	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522
Mukhopadhyay D.; Kumar R.; Alam J.-E.; Singh S.K.	Hard thermal loop effective action of topologically massive gluons in 3+1 dimensions	2020	Physical Review D	101	7	74039		1	10.1103/PhysRevD.101.074039	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084590280&doi=10.1103%2fPhysRevD.101.074039&partnerID=40&md5=1f0901f5be1f8190e7714355248e1209	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Mukherjee R.; Jaiswal S.; Shukla M.K.; Hakim A.; Thomas E.	Measurement of temperature of a dusty plasma from its configuration	2020	Contributions to Plasma Physics	60	4	e201900161		2	10.1002/ctpp.201900161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078654900&doi=10.1002%2fctpp.201900161&partnerID=40&md5=2132ce3415e03c6f61f8faf40782fbcf	Department of Physics and Astrophysics, University of Delhi, ...	Wiley-VCH Verlag	8631042
Kumar S.; Sinha N.; Goel S.; Kumar B.	Effect of xylenol orange dye on morphological, optical, piezo-/di-electric and mechanical properties of potassium hydrogen phthalate single crystals	2020	Vacuum	175		109240		13	10.1016/j.vacuum.2020.109240	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078875595&doi=10.1016%2fj.vacuum.2020.109240&partnerID=40&md5=f9f95aa7ce5242ccaba639ceef9e6da5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at s =13 TeV	2020	Physical Review D	102	3	32007		14	10.1103/PhysRevD.102.032007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096105475&doi=10.1103%2fPhysRevD.102.032007&partnerID=40&md5=ebecb3078f5a8a83d2d47359483d1fc4	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Phogat A.; Kumar A.; Rafik M.; Naimuddin M.	RPC performance with HARDROC based readout	2020	Journal of Instrumentation	15	6	C06036		0	10.1088/1748-0221/15/06/C06036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088521672&doi=10.1088%2f1748-0221%2f15%2f06%2fC06036&partnerID=40&md5=fd437bc718241be7c3056127930ae457	Department of Physics and Astrophysics, University of Delhi	Institute of Physics Publishing	17480221
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton–proton collisions at √s=13Te	2020	European Physical Journal C	80	5	370		29	10.1140/epjc/s10052-020-7858-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084861861&doi=10.1140%2fepjc%2fs10052-020-7858-1&partnerID=40&md5=d39d5a7a189a8fff79fbdaaf47a684a1	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the tt¯bb¯ production cross section in the all-jet final state in pp collisions at s=13 TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	803		135285		32	10.1016/j.physletb.2020.135285	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85080887360&doi=10.1016%2fj.physletb.2020.135285&partnerID=40&md5=9ce3abcb2c54da89fde1b7a2c8abd2c3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Banerjee P.; Ganguly S.; Rai S.; Pragati; Mayank; Kumar S.; Kumar A.; Palit R.; Bhattacharjee S.S.; Singh R.P.; Muralithar S.	γ-vibration in 126Xe: A revisit	2020	Nuclear Physics A	996		121687		11	10.1016/j.nuclphysa.2019.121687	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078454166&doi=10.1016%2fj.nuclphysa.2019.121687&partnerID=40&md5=edbda225f45a39ac8557b6934b0bf2a6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3759474
Natwariya P.K.; Bhatt J.R.; Pandey A.K.	Viscosity in cosmic fluids	2020	European Physical Journal C	80	8	767		9	10.1140/epjc/s10052-020-8341-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089775898&doi=10.1140%2fepjc%2fs10052-020-8341-8&partnerID=40&md5=d223b7670158d696230e2c2932154ca1	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Kumar L.; Chauhan M.; Boruah P.K.; Das M.R.; Hashmi S.A.; Deka S.	Coral-Shaped Bifunctional NiCo2O4Nanostructure: A Material for Highly Efficient Electrochemical Charge Storage and Electrocatalytic Oxygen Evolution Reaction	2020	ACS Applied Energy Materials	3	7		6793	26	10.1021/acsaem.0c00909	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091002521&doi=10.1021%2facsaem.0c00909&partnerID=40&md5=c58a043c3b4ca6e3c8352786163d0834	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	25740962
Singh A.K.; Dawra D.; Dimri M.; Jha A.K.S.; Pandey R.K.; Mohan M.	Plasma screening effects on the atomic structure of He-like ions embedded in strongly coupled plasma	2020	Physics Letters, Section A: General, Atomic and Solid State Physics	384	12	126369		22	10.1016/j.physleta.2020.126369	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081023786&doi=10.1016%2fj.physleta.2020.126369&partnerID=40&md5=23c77af8944c6b304065cfd8ede3d2e3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3759601
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of properties of Bs0 → μ+μ − decays and search for B0 → μ+μ − with the CMS experiment	2020	Journal of High Energy Physics	2020	4	188		61	10.1007/JHEP04(2020)188	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084126150&doi=10.1007%2fJHEP04%282020%29188&partnerID=40&md5=b4a05b832db2cf4ce38aee5df408741b	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Study of excited Λb 0 states decaying to Λb 0π+π− in proton-proton collisions at s=13TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	803		135345		34	10.1016/j.physletb.2020.135345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081618676&doi=10.1016%2fj.physletb.2020.135345&partnerID=40&md5=111a7b149bb50bddd8d3316e67fac972	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for resonant pair production of Higgs bosons in the bbZZ channel in proton-proton collisions at s =13 TeV	2020	Physical Review D	102	3	32003		19	10.1103/PhysRevD.102.032003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096112718&doi=10.1103%2fPhysRevD.102.032003&partnerID=40&md5=ebadac8916b4a48e3ce07aab5cd0bd11	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of t t ¯ normalised multi-differential cross sections in pp collisions at √s=13TeV , and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions	2020	European Physical Journal C	80	7	658		53	10.1140/epjc/s10052-020-7917-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091403682&doi=10.1140%2fepjc%2fs10052-020-7917-7&partnerID=40&md5=f381926beb8eeb8e3c6eddf8bb890e6e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at √s=13TeV	2020	European Physical Journal C	80	8	752		23	10.1140/epjc/s10052-020-8168-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089776333&doi=10.1140%2fepjc%2fs10052-020-8168-3&partnerID=40&md5=74842c75aa077bb45948c5666618e308	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044

Joshi H.; Annapoorni S.	Tuning Optical Properties in Nanocomposites	2020	International Journal of Nanoscience	19	4	1950026		4	10.1142/S0219581X19500261	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097261150&doi=10.1142%2fS0219581X19500261&partnerID=40&md5=9e9c7402de51fbb24125672c19284eaa	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	0219581X
Gill N.; Gupta V.; Tomar M.; Sharma A.L.; Pandey O.P.; Singh D.P.	Improved electromagnetic shielding behaviour of graphene encapsulated polypyrrole-graphene nanocomposite in X-band	2020	Composites Science and Technology	192		108113		39	10.1016/j.compscitech.2020.108113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081667838&doi=10.1016%2fj.compscitech.2020.108113&partnerID=40&md5=b51d950873b46a1859fd42bdf2446325	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2663538
Amrit P.; Jain S.; Tomar M.; Gupta V.; Joshi B.	Synthesis and characterization of sol gel derived nontoxic CZTS thin films without sulfurization	2020	International Journal of Applied Ceramic Technology	17	3		1194	4	10.1111/ijac.13451	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077892804&doi=10.1111%2fijac.13451&partnerID=40&md5=82f27a711516aaff95ccaafed0a49aba	Department of Physics and Astrophysics, University of Delhi, ...	Blackwell Publishing Ltd	1546542X
Bhatt J.R.; Natwariya P.K.; Nayak A.C.; Pandey A.K.	Baryon-Dark matter interaction in presence of magnetic fields in light of EDGES signal	2020	European Physical Journal C	80	4	334		12	10.1140/epjc/s10052-020-7886-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083656687&doi=10.1140%2fepjc%2fs10052-020-7886-x&partnerID=40&md5=7e095573a28709c7651db22c56cd9744	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the jet mass distribution and top quark mass in hadronic decays of boosted top quarks in pp collisions at √s = 13 TeV	2020	Physical Review Letters	124	20	202001		22	10.1103/PhysRevLett.124.202001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086052956&doi=10.1103%2fPhysRevLett.124.202001&partnerID=40&md5=02ded1efe0206f79627f6d73232491b7	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Malik C.; Kaur N.; Singh B.; Pandey A.	Luminescence properties of tricalcium phosphate doped with dysprosium	2020	Applied Radiation and Isotopes	158		109062		9	10.1016/j.apradiso.2020.109062	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078668601&doi=10.1016%2fj.apradiso.2020.109062&partnerID=40&md5=329596e47e49546a72ec8f1cb12ff4bb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9698043
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in PbPb collisions at √sNN=2.76 and 5.02 TeV	2020	European Physical Journal C	80	6	534		15	10.1140/epjc/s10052-020-7834-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098276728&doi=10.1140%2fepjc%2fs10052-020-7834-9&partnerID=40&md5=bb2cd4bac7f041392931e8aa07aed6b4	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Banday A.; Shahid R.; Meena S.S.; Yusuf S.M.; Murugavel S.	Effect of crystallite size on the phase transition behavior of heterosite FePO4	2020	Physical Chemistry Chemical Physics	22	27		15478	6	10.1039/d0cp02387f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088235358&doi=10.1039%2fd0cp02387f&partnerID=40&md5=bdcba842c5df8a9d3cf4a882f521c165	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076
Moditma; Choudhary S.; Vashisht G.; Reddy V.R.; Annapoorni S.	Facile Synthesis of Highly Magnetic Long-term Stable FeCo Nanoparticles	2020	Journal of Superconductivity and Novel Magnetism	33	6		1653	5	10.1007/s10948-019-05398-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076789009&doi=10.1007%2fs10948-019-05398-w&partnerID=40&md5=bcf6bc0b1e313d68e9d42e2928ee58fc	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571939
Ansari M.A.; Sreenivas K.	Detection of rhombo-ortho-tetra-cubic phase transitions on poled Er3+ and Sn4+ doped BaTiO3 ceramics by up-conversion luminescence	2020	Materials Letters	264		127294		2	10.1016/j.matlet.2019.127294	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077808006&doi=10.1016%2fj.matlet.2019.127294&partnerID=40&md5=9fe67d0d708b6d1243c27b64dd4c886f	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	0167577X

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	5	33		95	10.1007/JHEP05(2020)033	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084474401&doi=10.1007%2fJHEP05%282020%29033&partnerID=40&md5=28cb4a12f161f0cde012cfce14ca8b8e	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Bala N.; Singh H.K.; Verma S.; Rath S.	Magnetic-order induced effects in nanocrystalline NiO probed by Raman spectroscopy	2020	Physical Review B	102	2	24423		27	10.1103/PhysRevB.102.024423	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090143515&doi=10.1103%2fPhysRevB.102.024423&partnerID=40&md5=86fdc8a78c855d9e7251cb98e46016c4	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699950
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	7	126		53	10.1007/JHEP07(2020)126	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088646665&doi=10.1007%2fJHEP07%282020%29126&partnerID=40&md5=391765594ef5062f48822003966cf6b3	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sharma P.; Sharma R.; Jain C.; Dutta A.	Broad-band spectral analysis of LMXB XTE J1710-281 with Suzaku	2020	Monthly Notices of the Royal Astronomical Society	496	1		197	5	10.1093/mnras/staa1516	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088561786&doi=10.1093%2fmnras%2fstaa1516&partnerID=40&md5=f3b3ed0df4e716da774dce5b4d10a053	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	4	171		70	10.1007/JHEP04(2020)171	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085935293&doi=10.1007%2fJHEP04%282020%29171&partnerID=40&md5=9747f5ce2e4169ccc742f48a7cd89503	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Das D.; Das J.	The Λb→Λ*(1520)(→NK¯)ℓ+ℓ− decay at low-recoil in HQET	2020	Journal of High Energy Physics	2020	7	2		10	10.1007/JHEP07(2020)002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087296353&doi=10.1007%2fJHEP07%282020%29002&partnerID=40&md5=a845ca049a3156fbba4ac97ec3024b74	Department of Physics and Astrophysics, University of Delhi	Springer	11266708
Kumar S.; Ohlan A.; Kumar P.; Verma V.	Improved Electromagnetic Interference Shielding Response of Polyaniline Containing Magnetic Nano-ferrites	2020	Journal of Superconductivity and Novel Magnetism	33	4		1187	22	10.1007/s10948-019-05343-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075211786&doi=10.1007%2fs10948-019-05343-x&partnerID=40&md5=2198d34d032714004888cf8ac4659a9c	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571939
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at √s = 13 TeV and constraints on anomalous quartic couplings	2020	Journal of High Energy Physics	2020	6	76		35	10.1007/JHEP06(2020)076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086388647&doi=10.1007%2fJHEP06%282020%29076&partnerID=40&md5=012c3c76cdd64bc46ff052b3dc1d345d	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Kharangarh P.R.; Gupta V.; Singh A.; Bhardwaj P.; Grace A.N.	An efficient pseudocapacitor electrode material with co-doping of iron (II) and sulfur in luminescent graphene quantum dots	2020	Diamond and Related Materials	107		107913		53	10.1016/j.diamond.2020.107913	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084337045&doi=10.1016%2fj.diamond.2020.107913&partnerID=40&md5=84f78a5a56eb68bd0e9b854eb04759ad	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9259635
Ameer S.; Jindal K.; Tomar M.; Jha P.K.; Gupta V.	The role of an unintentional carbon dopant in resolving the controversial conductivity aspects in BiFeO3	2020	Physical Chemistry Chemical Physics	22	18		10010	8	10.1039/c9cp06614d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084694083&doi=10.1039%2fc9cp06614d&partnerID=40&md5=cd085b27ed63ef1a214b430b5673dd8b	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment	2020	Journal of High Energy Physics	2020	5	32		45	10.1007/JHEP05(2020)032	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084492726&doi=10.1007%2fJHEP05%282020%29032&partnerID=40&md5=ef19dee3fa9d88907f792c11f6792587	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Kumar S.; Gupta D.N.	Optimization of laser parameters for proton acceleration using double laser pulses in TNSA mechanism	2020	Laser and Particle Beams	38	2		73	6	10.1017/S0263034620000063	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081316254&doi=10.1017%2fS0263034620000063&partnerID=40&md5=b603d0754b5f4ff6037f089fe1f0bbea	Department of Physics and Astrophysics, University of Delhi	Cambridge University Press	2630346
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Running of the top quark mass from proton-proton collisions at s=13TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	803		135263		24	10.1016/j.physletb.2020.135263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079875596&doi=10.1016%2fj.physletb.2020.135263&partnerID=40&md5=fd5bf14668faff3fbffe25ffb13a5f16	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Bala M.; Masarrat A.; Kumar V.; Ojha S.; Asokan K.; Annapoorni S.	Effect of thermal annealing on thermoelectric properties of BixSb2-xTe3thin films grown by sputtering	2020	Journal of Applied Physics	127	24	2576		2	10.1063/5.0002576	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087796667&doi=10.1063%2f5.0002576&partnerID=40&md5=e1bf7dfc0b17fa8be99f8897ba50e232	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	218979
Kumar S.; Gupta D.N.; Malik H.K.; Singh D.; Lee J.; Yoon M.	Effect of a tightly focused chirped Gaussian laser pulse on electron acceleration in helical undulator	2020	Physics of Plasmas	27	4	43105		7	10.1063/1.5120769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083711611&doi=10.1063%2f1.5120769&partnerID=40&md5=301c9727abc40484b2f97dd9361e9eb1	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Kumar P.; Saxena N.; Gupta V.	Vital role of Ar ambient pressure in controlled properties of nanocrystalline CdS thin films	2020	Journal of Materials Science: Materials in Electronics	31	9		6755	2	10.1007/s10854-020-03233-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082009951&doi=10.1007%2fs10854-020-03233-w&partnerID=40&md5=c262477b454a4b5dcdc9b3316d1d9232	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a light pseudoscalar Higgs boson in the boosted μμτ final state in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	8	139		24	10.1007/JHEP08(2020)139	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089987196&doi=10.1007%2fJHEP08%282020%29139&partnerID=40&md5=6be8536da10a74686766ee57afd99b7c	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Search for multimessenger signals in NOvA coincident with LIGO/Virgo detections	2020	Physical Review D	101	11	112006		8	10.1103/PhysRevD.101.112006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087659905&doi=10.1103%2fPhysRevD.101.112006&partnerID=40&md5=d3d7316c6a987187e1264ec53ea0e909	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Choudhury D.; Deka K.; Mandal T.; Sadhukhan S.	Neutrino and Z′ phenomenology in an anomaly-free U(1) extension: role of higher-dimensional operators	2020	Journal of High Energy Physics	2020	6	111		14	10.1007/JHEP06(2020)111	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086583809&doi=10.1007%2fJHEP06%282020%29111&partnerID=40&md5=38136d41b884210ca4a6c1daa5ebd5da	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Constraints on the χc1 versus χc2 Polarizations in Proton-Proton Collisions at s =8 TeV	2020	Physical Review Letters	124	16	162002		12	10.1103/PhysRevLett.124.162002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084721870&doi=10.1103%2fPhysRevLett.124.162002&partnerID=40&md5=ca0d3e5c5bcede05592b31e14b528117	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007

Nitish R.; Gupta R.K.; Kar S.	Perspectives of perihelion precession in torsion modified gravity	2020	International Journal of Modern Physics D	29	10	2050074		1	10.1142/S0218271820500741	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092514420&doi=10.1142%2fS0218271820500741&partnerID=40&md5=2d30d376690be87e61b389d7804cb7ba	Department of Physics and Astrophysics, University of Delhi	World Scientific	2182718
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Study of central exclusive [InlineEquation not available: see fulltext.] production in proton-proton collisions at √s=5.02 and 13TeV	2020	European Physical Journal C	80	8	718		8	10.1140/epjc/s10052-020-8166-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089197692&doi=10.1140%2fepjc%2fs10052-020-8166-5&partnerID=40&md5=87dd95c9b2fa8645e3b70200a015ac97	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Kumar Singh M.; Kumar Jha P.; Bhattacherjee A.	Optical switching and normal mode splitting in hybrid semiconductor microcavity containing quantum well and Kerr medium driven by amplitude-modulated field	2020	Journal of Modern Optics	67	8		692	4	10.1080/09500340.2020.1762008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086741654&doi=10.1080%2f09500340.2020.1762008&partnerID=40&md5=d318325d22b42a6f12920304c31ba9a9	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	9500340
Boazbou Newmai M.; Pathak N.K.; Senthil Kumar P.	Molecular aspects of oligomer-coupled ultra-small Au nanoparticles	2020	Journal of Physics and Chemistry of Solids	140		109378		3	10.1016/j.jpcs.2020.109378	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079092231&doi=10.1016%2fj.jpcs.2020.109378&partnerID=40&md5=f8023e9c528c25469adb6c063a20f5b7	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	223697
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	The production of isolated photons in PbPb and pp collisions at √sNN = 5.02 TeV	2020	Journal of High Energy Physics	2020	7	116		8	10.1007/JHEP07(2020)116	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088163145&doi=10.1007%2fJHEP07%282020%29116&partnerID=40&md5=44d401309deef629e5884a0e3e6c096d	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter	2020	Journal of Instrumentation	15	6	P06009		2	10.1088/1748-0221/15/06/P06009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088533574&doi=10.1088%2f1748-0221%2f15%2f06%2fP06009&partnerID=40&md5=861e57efab1b6b259a4ca3da3613dba8	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	17480221
Sethy P.K.; Kumar Y.; Singh S.S.	Dilepton production rate calculation using MEQM in heavy-ion collision	2020	International Journal of Modern Physics A	35	21	2050115		0	10.1142/S0217751X20501158	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089377898&doi=10.1142%2fS0217751X20501158&partnerID=40&md5=38f8e6a71ae9a31803c57730fabc9bcf	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific Publishing Co. Pte Ltd	0217751X
Sharma R.; Subramanian K.; Seshadri T.R.	Gravitational wave generation in a viable scenario of inflationary magnetogenesis	2020	Physical Review D	101	10	103526		10	10.1103/PhysRevD.101.103526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085990787&doi=10.1103%2fPhysRevD.101.103526&partnerID=40&md5=08dcd8cf0eb8bc5de946a9805d3b1253	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Jain S.; Paliwal A.; Gupta V.; Tomar M.	Plasmon-Assisted Crystalline Silicon Solar Cell with TiO2 as Anti-Reflective Coating	2020	Plasmonics	15	4		1091	9	10.1007/s11468-020-01127-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078432905&doi=10.1007%2fs11468-020-01127-5&partnerID=40&md5=99e4ca167387f9affd6a84b0aaeff26e	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571955
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the cross section for $t\bar{t}$ production with additional jets and b jets in pp collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	7	125		25	10.1007/JHEP07(2020)125	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088526760&doi=10.1007%2fJHEP07%282020%29125&partnerID=40&md5=d8f630a45dfd9f48cb5cf4ae513141f4	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708

Bhukkal S.; Kumar B.	Modified CZ technique for the growth of organic crystals having low melting point and high vapour pressure	2020	Journal of Crystal Growth	535		125534		4	10.1016/j.jcrysgro.2020.125534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078860335&doi=10.1016%2fj.jcrysgro.2020.125534&partnerID=40&md5=07831229aa0b48fde185219619c75d50	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	220248
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV	2020	Journal of High Energy Physics	2020	7	115		16	10.1007/JHEP07(2020)115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088976873&doi=10.1007%2fJHEP07%282020%29115&partnerID=40&md5=34b714117b4619231ec9a97a1b7f94de	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sharma E.; Gopinathan M.; Soam A.; Lee C.W.; Kim S.; Ghosh T.; Tej A.; Kim G.; Sharma N.; Saha P.	Distance, magnetic field, and kinematics of the filamentary cloud LDN 1157	2020	Astronomy and Astrophysics	639		A133		7	10.1051/0004-6361/202037438	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088639087&doi=10.1051%2f0004-6361%2f202037438&partnerID=40&md5=fde179bf0b634a10a054dcec5484ee2b	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Kumar A.; Singh A.K.; Tomar M.; Gupta V.; Kumar P.; Singh K.	Electromagnetic interference shielding performance of lightweight NiFe2O4/rGO nanocomposite in X- band frequency range	2020	Ceramics International	46	10		15473	43	10.1016/j.ceramint.2020.03.092	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081912502&doi=10.1016%2fj.ceramint.2020.03.092&partnerID=40&md5=be1ca4d020f4cef5a34dcde65b2e895f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Jain S.; Paliwal A.; Gupta V.; Tomar M.	Long Range Surface Plasmons assisted highly sensitive and room temperature operated NO2 gas sensor	2020	Sensors and Actuators, B: Chemical	311		127897		27	10.1016/j.snb.2020.127897	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079902358&doi=10.1016%2fj.snb.2020.127897&partnerID=40&md5=4ad005a3c0f505bed1cbfdb96785124b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9254005
Gupta S.; Paliwal A.; Gupta V.; Tomar M.	Thermo-optic Aided Tunability of Sr 0.6 Ba 0.4 Nb 2 O 6 Thin Film-based Electro-optic Modulator Using Waveguide Coupled SPR Modes	2020	Plasmonics	15	3		661	5	10.1007/s11468-019-01070-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075943754&doi=10.1007%2fs11468-019-01070-0&partnerID=40&md5=74eacfa0a82714882edd082042765640	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571955
Wadhawan D.; Das S.	Dissipation and quantum noise in chiral circuitry	2020	Physica E: Low-Dimensional Systems and Nanostructures	121		114117		0	10.1016/j.physe.2020.114117	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083342731&doi=10.1016%2fj.physe.2020.114117&partnerID=40&md5=6640883d95b1aa1deeaa8871290e3271	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13869477
Sonker R.K.; Hitkari G.; Sabhajeet S.R.; Sikarwar S.; Rahul; Singh S.	Green synthesis of TiO2 nanosheet by chemical method for the removal of Rhodamin B from industrial waste	2020	Materials Science and Engineering: B	258		114577		22	10.1016/j.mseb.2020.114577	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084810556&doi=10.1016%2fj.mseb.2020.114577&partnerID=40&md5=c8b0a2022d4a89a9a051838e4592c609	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9215107
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Calibration of the CMS hadron calorimeters using proton-proton collision data at s = 13 TeV	2020	Journal of Instrumentation	15	5	P05002		1	10.1088/1748-0221/15/05/P05002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086015865&doi=10.1088%2f1748-0221%2f15%2f05%2fP05002&partnerID=40&md5=2079383ba8bbdefafb720da5033dc2c2	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	17480221
Sharma A.; Gupta G.; Das T.D.	Dielectric Parameters Study of GaAs1−xSbx Alloy from Optical Interband Transition	2020	Journal of Electronic Materials	49	5		3149	2	10.1007/s11664-020-08037-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081288192&doi=10.1007%2fs11664-020-08037-6&partnerID=40&md5=15385566a5abff28ef305c91014f8959	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3615235

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	6	146		12	10.1007/JHEP06(2020)146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086928014&doi=10.1007%2fJHEP06%282020%29146&partnerID=40&md5=907b0866057b4322c1f48cf5e98fb2cc	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Yadav M.; Gupta D.N.; Sharma S.C.; Suk H.	Plasma bubble evolution in laser wakefield acceleration in a petawatt regime	2020	Laser Physics Letters	17	7	76001		2	10.1088/1612-202X/ab8fa9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087557800&doi=10.1088%2f1612-202X%2fab8fa9&partnerID=40&md5=a7772f2b57cf8f345541e9355041e24b	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	16122011
Pavana M.; Raj A.; Bohlsen T.; Anupama G.C.; Gupta R.; Selvakumar G.	Spectroscopic and geometrical evolution of the ejecta of the classical nova ASASSN-18fv	2020	Monthly Notices of the Royal Astronomical Society	495	2		2075	7	10.1093/mnras/staa1219	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095496649&doi=10.1093%2fmnras%2fstaa1219&partnerID=40&md5=485ff0c90e0a6d7b849f867a597cf347	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of the Λb 0→J/ψΛϕ decay in proton-proton collisions at s=13TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	802		135203		10	10.1016/j.physletb.2020.135203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078529004&doi=10.1016%2fj.physletb.2020.135203&partnerID=40&md5=e577478cf235e82204e8185dcf417590	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements	2020	European Physical Journal C	80	1	4		175	10.1140/epjc/s10052-019-7499-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077325936&doi=10.1140%2fepjc%2fs10052-019-7499-4&partnerID=40&md5=dcb26d75455c98fad7d157df7cbeb057	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Singh V.; Late D.J.; Rath S.	Tunable light emission from chemical vapor deposited two-dimensional MoSe2 by layer variation and S incorporation	2020	Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films	38	2	23402		9	10.1116/1.5124998	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078827963&doi=10.1116%2f1.5124998&partnerID=40&md5=8688cc3ee6dc9fd93566ef0278eccad2	Department of Physics and Astrophysics, University of Delhi, ...	AVS Science and Technology Society	7342101
Ahmed A.; Gola M.; Kumar A.; Naimuddin M.	Development and qualification of triple-GEM detector built with large size single mask foils produced in India	2020	Journal of Instrumentation	15	2	P02003		1	10.1088/1748-0221/15/02/P02003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081241423&doi=10.1088%2f1748-0221%2f15%2f02%2fP02003&partnerID=40&md5=690f4fa9771dc3a813cdb10c0259eeb8	Department of Physics and Astrophysics, University of Delhi	Institute of Physics Publishing	17480221
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	A multi-dimensional search for new heavy resonances decaying to boosted WW , WZ , or ZZ boson pairs in the dijet final state at 13 Te	2020	European Physical Journal C	80	3	237		32	10.1140/epjc/s10052-020-7773-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081746798&doi=10.1140%2fepjc%2fs10052-020-7773-5&partnerID=40&md5=101ae8e3b7e8dd578384cf6424293157	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Malik C.; Meena R.K.; Rathi P.; Singh B.; Pandey A.	Effect of dopant concentration on luminescence properties of a phosphor KCaPO4: Dy	2020	Radiation Physics and Chemistry	168		108561		16	10.1016/j.radphyschem.2019.108561	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074682953&doi=10.1016%2fj.radphyschem.2019.108561&partnerID=40&md5=3747a3b9a55ceefb9ed875b82c207064	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0969806X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for electroweak production of a vector-like T quark using fully hadronic final states	2020	Journal of High Energy Physics	2020	1	36		28	10.1007/JHEP01(2020)036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078603389&doi=10.1007%2fJHEP01%282020%29036&partnerID=40&md5=acac040d3b04775246b83306c7596844b	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of electroweak production of a W boson in association with two jets in proton–proton collisions at √s=13Te	2020	European Physical Journal C	80	1	43		14	10.1140/epjc/s10052-019-7585-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078291200&doi=10.1140%2fepjc%2fs10052-019-7585-7&partnerID=40&md5=5eb9c13c5c16f75d0850c1f8cdabc3c6	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Aydemir U.; Mandal T.; Mitra S.	Addressing the RD (∗) anomalies with an S1 leptoquark from SO(10) grand unification	2020	Physical Review D	101	1	15011		37	10.1103/PhysRevD.101.015011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078679749&doi=10.1103%2fPhysRevD.101.015011&partnerID=40&md5=0d78fb4b1b67fc9edc64109a718bf6e3	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Dubey M.; Kumar A.; Murugavel S.; Prakash G.V.; Jose D.A.; Mariappan C.R.	Structural and ion transport properties of sodium ion conducting Na2MTeO6 (M= MgNi and MgZn) solid electrolytes	2020	Ceramics International	46	1		663	16	10.1016/j.ceramint.2019.09.018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071870502&doi=10.1016%2fj.ceramint.2019.09.018&partnerID=40&md5=181a2146abda5ae210ec109ba3ce89dc	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Searches for physics beyond the standard model with the MT 2 variable in hadronic final states with and without disappearing tracks in proton–proton collisions at √s=13Te	2020	European Physical Journal C	80	1	3		52	10.1140/epjc/s10052-019-7493-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077306984&doi=10.1140%2fepjc%2fs10052-019-7493-x&partnerID=40&md5=3861b4484ed056ef96df479d4d4a0919	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Negi S.; Chandra A.	Aqueous electrolytes' transport through nanopores of polymeric membrane	2020	Radiation Effects and Defects in Solids	175	3-4		257	2	10.1080/10420150.2019.1701458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082593852&doi=10.1080%2f10420150.2019.1701458&partnerID=40&md5=bacbc81a51ebe1bf5fe753047c275d3c	Department of Physics and Astrophysics, University of Delhi	Taylor and Francis Inc.	10420150
Goel S.; Kumar B.	A review on piezo-/ferro-electric properties of morphologically diverse ZnO nanostructures	2020	Journal of Alloys and Compounds	816		152491		79	10.1016/j.jallcom.2019.152491	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073818555&doi=10.1016%2fj.jallcom.2019.152491&partnerID=40&md5=7908313afa2c58924f7635cb19ef20b8	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	9258388
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in pp collisions at s =13 TeV with 137 fb-1 in final states with a single lepton using the sum of masses of large-radius jets	2020	Physical Review D	101	5	52010		21	10.1103/PhysRevD.101.052010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083578322&doi=10.1103%2fPhysRevD.101.052010&partnerID=40&md5=8b95dd958a3e31c40d9595bd5d0343e9	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at √s = 13 TeV	2020	Journal of High Energy Physics	2020	3	65		26	10.1007/JHEP03(2020)065	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081752688&doi=10.1007%2fJHEP03%282020%29065&partnerID=40&md5=6855a1d6854fb773a030005e5f8d9e60	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Singh P.; Ram J.; Chauhan V.; Nambissan P.M.G.; Gupta S.K.; Kumar S.; Sharma S.K.; Sahare P.D.; Kumar R.	High dose gamma radiation exposure upon Kapton-H polymer for modifications of optical, free volume, structural and chemical properties	2020	Optik	205		164244		6	10.1016/j.ijleo.2020.164244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078203585&doi=10.1016%2fj.ijleo.2020.164244&partnerID=40&md5=f53a66430a4970a6fef12b80cbb45381	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier GmbH	304026
Mandlik N.T.; Varma V.B.; Kulkarni M.S.; Bhatt B.C.; Sahare P.D.; Raut S.A.; Mathe V.L.; Bhoraskar S.V.; Dhole S.D.	Luminescence and dosimetric characteristics of nanocrystalline Al2O3:C synthesized by thermal plasma reactor	2020	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	466			90	4	10.1016/j.nimb.2020.01.008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078699719&doi=10.1016%2fj.nimb.2020.01.008&partnerID=40&md5=bf33a7f81da98e29a6f2ed26a643c980	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	0168583X

Suleman M.; Deraman M.; Hashmi S.A.; Othman M.A.R.; Kumar Y.; Rajouria S.K.; Jasni M.R.M.	Accommodating succinonitrile rotators in micro-pores of 3D nano-structured cactus carbon for assisting micro-crystallite organization, ion transport and surplus pseudo-capacitance: An extreme temperature supercapacitor behavior	2020	Electrochimica Acta	333		135547		2	10.1016/j.electacta.2019.135547	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076916092&doi=10.1016%2fj.electacta.2019.135547&partnerID=40&md5=229b3cdfff14fad1c276c299abec0b61	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	134686
Hussain A.; Sinha N.; Joseph A.J.; Goel S.; Singh B.; Bdikin I.; Kumar B.	Mechanical investigations on piezo-/ferrolectric maleic acid-doped triglycine sulphate single crystal using nanoindentation technique	2020	Arabian Journal of Chemistry	13	1		1874	34	10.1016/j.arabjc.2018.02.001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042438482&doi=10.1016%2fj.arabjc.2018.02.001&partnerID=40&md5=4cb3b052ccc27cc38e6834a98f73b160	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	18785352
Islam T.; Tehseen Z.; Kumar L.	Highly sensitive thin-film capacitive sensor for online moisture measurement in transformer oil	2020	IET Science, Measurement and Technology	14	4		416	20	10.1049/iet-smt.2019.0319	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087798596&doi=10.1049%2fiet-smt.2019.0319&partnerID=40&md5=dd5d2cd29d3627db7948ae9ecd8f063b	Department of Physics and Astrophysics, University of Delhi, ...	Institution of Engineering and Technology	17518822
Kingston S.L.; Suresh K.; Thamilmaran K.; Kapitaniak T.	Extreme and critical transition events in the memristor based Liénard system	2020	European Physical Journal: Special Topics	229	6-7		1033	18	10.1140/epjst/e2020-900165-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082749948&doi=10.1140%2fepjst%2fe2020-900165-1&partnerID=40&md5=65ccb259f37d02a309c81f23057298b3	Department of Physics and Astrophysics, University of Delhi, ...	Springer	19516355
Sonker R.K.; Yadav B.C.; Gupta V.; Tomar M.	Synthesis of CdS nanoparticle by sol-gel method as low temperature NO2 sensor	2020	Materials Chemistry and Physics	239		121975		69	10.1016/j.matchemphys.2019.121975	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070409847&doi=10.1016%2fj.matchemphys.2019.121975&partnerID=40&md5=3a489dbe449946c3ae76905c02b067a4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at s=13TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	800		135042		33	10.1016/j.physletb.2019.135042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074905420&doi=10.1016%2fj.physletb.2019.135042&partnerID=40&md5=e6a9d5f2b35e81588757f2ecf14dbf8d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at s=13TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	800		135087		33	10.1016/j.physletb.2019.135087	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075587140&doi=10.1016%2fj.physletb.2019.135087&partnerID=40&md5=d80c166778ebee0551ca1683800ab63c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at s = 13 TeV	2020	Journal of Instrumentation	15	2	P02027		31	10.1088/1748-0221/15/02/P02027	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090044123&doi=10.1088%2f1748-0221%2f15%2f02%2fP02027&partnerID=40&md5=b2fcd5d6a100491b4694f38cb749a57a	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	17480221
Batra K.; Sinha N.; Kumar B.	Lead-free 0.95(K0.6Na0.4)NbO3-0.05(Bi0.5Na0.5)ZrO3 ceramic for high temperature dielectric, ferroelectric and piezoelectric applications	2020	Journal of Alloys and Compounds	818		152874		11	10.1016/j.jallcom.2019.152874	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075347652&doi=10.1016%2fj.jallcom.2019.152874&partnerID=40&md5=fdc3e7071faab0803030f0661ca489b8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Rajak D.K.; Wagh P.H.; Menezes P.L.; Chaudhary A.; Kumar R.	Critical Overview of Coatings Technology for Metal Matrix Composites	2020	Journal of Bio- and Tribo-Corrosion	6	1	12		18	10.1007/s40735-019-0305-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075571672&doi=10.1007%2fs40735-019-0305-x&partnerID=40&md5=07e5f7bdc9a00d2fc85f834467463021	Department of Physics and Astrophysics, University of Delhi, ...	Springer	21984220

Gupta R.; Gupta V.; Tomar M.	Ferroelectric PZT thin films for photovoltaic application	2020	Materials Science in Semiconductor Processing	105		104723		13	10.1016/j.mssp.2019.104723	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072022435&doi=10.1016%2fj.mssp.2019.104723&partnerID=40&md5=2993736150d73e422c5d3738fefe5f64	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13698001
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of nuclear modifications in W± boson production in pPb collisions at sNN=8.16TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	800		135048		29	10.1016/j.physletb.2019.135048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076613850&doi=10.1016%2fj.physletb.2019.135048&partnerID=40&md5=e4733cb0834243ad1c6f523bd39ce802	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Pahuja P.; Tandon R.P.	Latest advancement in magnetoelectric multiferroic composites	2020	Ferroelectrics	569	1		108	7	10.1080/00150193.2020.1791660	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098456212&doi=10.1080%2f00150193.2020.1791660&partnerID=40&md5=f6f9a3cdfd66a0393416a3dd75193f5b	Department of Physics and Astrophysics, University of Delhi, ...	Bellwether Publishing, Ltd.	150193
Jain C.; Saumya S.; Jain G.; Dalal R.; Agrawal N.; Bhardwaj A.; Ranjan K.	Modeling of neutron radiation-induced defects in silicon particle detectors	2020	Semiconductor Science and Technology	35	4	45021		1	10.1088/1361-6641/ab74ea	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082240188&doi=10.1088%2f1361-6641%2fab74ea&partnerID=40&md5=3ab610f604618a1f129b6cd6731ab02a	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	2681242
Puri N.; Gupta R.K.; Pattanaik A.K.; Tandon R.P.; Padmavati M.V.G.; Mahapatro A.K.	Materials Characterization of Cobalt Antimonide Nanostructures as Thermoelectric Material	2020	Integrated Ferroelectrics	205	1		66	0	10.1080/10584587.2019.1674999	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079346587&doi=10.1080%2f10584587.2019.1674999&partnerID=40&md5=51c9ad49d7cc0ea22f8f44c331669ed4	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Multiparticle correlation studies in pPb collisions at sNN =8.16 TeV	2020	Physical Review C	101	1	14912		8	10.1103/PhysRevC.101.014912	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078836395&doi=10.1103%2fPhysRevC.101.014912&partnerID=40&md5=626d464da8365d83612f5882f7fae9f4	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sharma R.; Beri A.; Sanna A.; Dutta A.	A broad-band look of the accreting millisecond X-ray pulsar SAX J1748.9-2021 using AstroSat and XMM-Newton	2020	Monthly Notices of the Royal Astronomical Society		3		4361	13	10.1093/mnras/staa109	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084531053&doi=10.1093%2fmnras%2fstaa109&partnerID=40&md5=c129637c8d8553824785a62bac1d2a0d	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Goel S.; Sinha N.; Yadav H.; Joseph A.J.; Hussain A.; Kumar B.	Optical, piezoelectric and mechanical properties of xylenol orange doped ADP single crystals for NLO applications	2020	Arabian Journal of Chemistry	13	1		146	64	10.1016/j.arabjc.2017.03.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016498470&doi=10.1016%2fj.arabjc.2017.03.003&partnerID=40&md5=506d93ddb9522a5a597b30959bb1cd88	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	18785352
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new neutral Higgs bosons through the H → ZA→ ℓ+ℓ−b b ¯ process in pp collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	3	55		39	10.1007/JHEP03(2020)055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081745907&doi=10.1007%2fJHEP03%282020%29055&partnerID=40&md5=f653667d967e290189260e5565c7f2ee	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Gola M.; Malhotra S.; Shah A.; Ahmed A.; Kumar A.; Naimuddin M.	Performance of the triple GEM detector built using commercially manufactured GEM foils in India	2020	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	951		162967		4	10.1016/j.nima.2019.162967	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075467012&doi=10.1016%2fj.nima.2019.162967&partnerID=40&md5=c9f49fa8197903578da8734b342d57ab	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	1689002

Mohan M.; Goyal A.; Khatri I.	Reply to the comment by K.M. Aggarwal on “Collision strength and effective collision strength for Ba XLVIII”	2020	Canadian Journal of Physics	98	5		497	0	10.1139/cjp-2018-0575	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084916121&doi=10.1139%2fcjp-2018-0575&partnerID=40&md5=35bd3414fd511e814f95f5553016e008	Department of Physics and Astrophysics, University of Delhi	Canadian Science Publishing	84204
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	1	96		44	10.1007/JHEP01(2020)096	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078350537&doi=10.1007%2fJHEP01%282020%29096&partnerID=40&md5=843a146db82735ab3bd00035aaa10f22	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Saini R.; Kumar A.; Bhatt G.; Kapoor A.; Paliwal A.; Tomar M.; Gupta V.	Lossy Mode Resonance-Based Refractive Index Sensor for Sucrose Concentration Measurement	2020	IEEE Sensors Journal	20	3	8865445	1217	12	10.1109/JSEN.2019.2946760	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078534451&doi=10.1109%2fJSEN.2019.2946760&partnerID=40&md5=1cbe4c8c6e5aa1c5c65c83809d5a5213	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	1530437X
Gupta S.; Paliwal A.; Gupta V.; Tomar M.	Ferroelectric Sr0.6Ba0.4Nb2O6 thin film based broadband waveguide coupled surface plasmon electro-optic modulator	2020	Optics and Laser Technology	122		105880		5	10.1016/j.optlastec.2019.105880	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073538231&doi=10.1016%2fj.optlastec.2019.105880&partnerID=40&md5=ee0795e0560f77b24902738457d7bc60	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	303992
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Evidence for WW production from double-parton interactions in proton–proton collisions at √s=13TeV	2020	European Physical Journal C	80	1	41		25	10.1140/epjc/s10052-019-7541-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078224899&doi=10.1140%2fepjc%2fs10052-019-7541-6&partnerID=40&md5=7a379740b674d0cb15005c4c0e3139c4	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Sachdeva D.; Sadhukhan S.	Discussing 125 GeV and 95 GeV excess in light radion model DISCUSSING 125 GeV and 95 GeV EXCESS in LIGHT ... DIVYA SACHDEVA and SOUMYA SADHUKHAN	2020	Physical Review D	101	5	55045		2	10.1103/PhysRevD.101.055045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083446413&doi=10.1103%2fPhysRevD.101.055045&partnerID=40&md5=d0c181ec988082645225192bbb41d6be	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Vashisht G.; Kumar V.; Bala M.; Hussain Z.; Reddy V.R.; Lamba S.; Annapoorni S.	Domain observation in electrochemically deposited FeCo nano-rods by MOKE microscopy and micromagnetics	2020	Journal of Magnetism and Magnetic Materials	497		166064		4	10.1016/j.jmmm.2019.166064	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075431003&doi=10.1016%2fj.jmmm.2019.166064&partnerID=40&md5=4547aca1f3f1242a44b4f7d96426eb60	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3048853
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	3	34		64	10.1007/JHEP03(2020)034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081320514&doi=10.1007%2fJHEP03%282020%29034&partnerID=40&md5=a20c575096c5182e04423130e84d57c9	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sood A.; Umapathy G.R.; Sharma A.; Abhilash S.R.; Ojha S.; Kabiraj D.; Banerjee A.; Singh P.P.	Self-supporting thin tin targets fabricated by ultra-high vacuum evaporation for heavy-ion induced reactions	2020	Vacuum	172		109107		6	10.1016/j.vacuum.2019.109107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091957681&doi=10.1016%2fj.vacuum.2019.109107&partnerID=40&md5=9a8c04adaef05f5d16f5b049502fe384	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Halder K.K.; Tomar M.; Sachdev V.K.; Gupta V.	Carbonized Charcoal-Loaded PVDF Polymer Composite: A Promising EMI Shielding Material	2020	Arabian Journal for Science and Engineering	45	1		465	5	10.1007/s13369-019-04054-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069918609&doi=10.1007%2fs13369-019-04054-8&partnerID=40&md5=5a9e9372d0fb6117afdacaac60121bac	Department of Physics and Astrophysics, University of Delhi, ...	Springer	2193567X

Kumar S.; Arora A.; Mishra P.; Mahapatro A.K.	Nanofiber Network Formation by 50 keV Ar+-Ion Irradiation on GaSb Surface	2020	Integrated Ferroelectrics	205	1		81	0	10.1080/10584587.2019.1675002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079340655&doi=10.1080%2f10584587.2019.1675002&partnerID=40&md5=077a440f47611c8ce032ff48e1baba07	Department of Physics and Astrophysics, University of Delhi	Taylor and Francis Ltd.	10584587
Kameswara Rao N.; Lambert D.L.; Reddy A.B.S.; Gupta R.; Muneer S.; Varghese B.; Singh H.P.	Unveiling Vela - Variability of interstellar lines in the direction of the Vela supernova remnant - III. Na D and Ca II K	2020	Monthly Notices of the Royal Astronomical Society	493	1		497	2	10.1093/mnras/staa231	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091570396&doi=10.1093%2fmnras%2fstaa231&partnerID=40&md5=764fbf8d017761f767d1c3b729935a26	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Jamdegni M.; Kaur A.	Highly efficient dark to transparent electrochromic electrode with charge storing ability based on polyaniline and functionalized nickel oxide composite linked through a binding agent	2020	Electrochimica Acta	331		135359		25	10.1016/j.electacta.2019.135359	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076244535&doi=10.1016%2fj.electacta.2019.135359&partnerID=40&md5=f01b7e247aca2abfad00bd8640683319	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	134686
Joshi A.; Pandey J.C.; Raj A.; Singh K.P.; Anupama G.C.; Singh H.P.	Optical and X-ray studies of three polars: RX J0859.1+0537, RX J0749.1-0549, and RX J0649.8-0737	2020	Monthly Notices of the Royal Astronomical Society	491	1		201	3	10.1093/mnras/stz3016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079682435&doi=10.1093%2fmnras%2fstz3016&partnerID=40&md5=acb2cbe2778a604ab7447165c91b098f	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Dutt M.; Kaushik A.; Tomar M.; Gupta V.; Singh V.	Synthesis of mesoporous α-Fe2O3 nanostructures via nanocasting using MCM-41 and KIT-6 as hard templates for sensing volatile organic compounds (VOCs)	2020	Journal of Porous Materials	27	1		285	6	10.1007/s10934-019-00811-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074026193&doi=10.1007%2fs10934-019-00811-0&partnerID=40&md5=a55c81d8110f9b566588d3875e4c3a2a	Department of Physics and Astrophysics, University of Delhi, ...	Springer	13802224
Simon A.; Naqvi F.	Indirect determination of neutron-capture cross sections for Sm isotopes	2020	Physical Review C	101	1	14619		1	10.1103/PhysRevC.101.014619	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078827264&doi=10.1103%2fPhysRevC.101.014619&partnerID=40&md5=d70025a02ca7f1f3737b6a24c809f203	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Gupta R.K.; Kar S.; Nitish R.	Aspects of gravitational wave/particle duality: Bulk torsion boundary gravity correspondence	2020	International Journal of Modern Physics D	29	2	2050019		2	10.1142/S0218271820500194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081579687&doi=10.1142%2fS0218271820500194&partnerID=40&md5=1297b7946245b3c1bc5e665fde55d7ed	Department of Physics and Astrophysics, University of Delhi	World Scientific Publishing Co. Pte Ltd	2182718
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft τ Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at s =13 TeV	2020	Physical Review Letters	124	4	41803		16	10.1103/PhysRevLett.124.041803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079553149&doi=10.1103%2fPhysRevLett.124.041803&partnerID=40&md5=dc05de9a2293ab50ce4a4dda28c5b330	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Malik C.; Pandey A.; Singh B.	Optical Properties of Nano-Crystalline Potassium Calcium Phosphate Doped with Dy	2020	Integrated Ferroelectrics	204	1		73	3	10.1080/10584587.2019.1674975	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078970891&doi=10.1080%2f10584587.2019.1674975&partnerID=40&md5=af7241c98325f9f9cab0813ba2e3ee95	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	10584587
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	W+W- boson pair production in proton-proton collisions at s =13 TeV	2020	Physical Review D	102	9	92001		22	10.1103/PhysRevD.102.092001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096654850&doi=10.1103%2fPhysRevD.102.092001&partnerID=40&md5=a4d24675a9bedb3828295921f426d610	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Rawal R.; Kharangarh P.R.; Dawra S.; Tomar M.; Gupta V.; Pundir C.S.	A comprehensive review of bilirubin determination methods with special emphasis on biosensors	2020	Process Biochemistry	89			165	19	10.1016/j.procbio.2019.10.034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075364534&doi=10.1016%2fj.procbio.2019.10.034&partnerID=40&md5=648c5e03f389e6361b4e2c40e4fb4a8a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13595113
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	A search for the standard model Higgs boson decaying to charm quarks	2020	Journal of High Energy Physics	2020	3	131		37	10.1007/JHEP03(2020)131	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082571729&doi=10.1007%2fJHEP03%282020%29131&partnerID=40&md5=d425f3a5fa5f35747fe2db6b78771462	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Banerjee P.; Ganguly S.; Rai S.; Popli P.; Modi S.; Arumugam P.; Singh M.; Kumar S.; Kumar A.; Bhattacharjee S.S.; Singh R.P.; Muralithar S.; Palit R.	Signature splitting in the positive parity bands of 127Xe	2020	European Physical Journal A	56	2	50		4	10.1140/epja/s10050-020-00066-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079454302&doi=10.1140%2fepja%2fs10050-020-00066-3&partnerID=40&md5=d7cd6b19427a837594834ec61c55a4b9	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346001
Das S.; Kanbur S.M.; Bellinger E.P.; Bhardwaj A.; Singh H.P.; Meerdink B.; Proietti N.; Chalmers A.; Jordan R.	The stellar photosphere–hydrogen ionization front interaction in classical pulsators: a theoretical explanation for observed period–colour relations	2020	Monthly Notices of the Royal Astronomical Society	493	1		29	6	10.1093/mnras/staa182	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091463409&doi=10.1093%2fmnras%2fstaa182&partnerID=40&md5=d03dcad37835424f765e4c404ab14e3f	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Singh A.K.; Dawra D.; Dimri M.; Jha A.K.S.; Sharma R.; Mohan M.	Relativistic photoionization cross section calculations and resonance parameters for Mg-like Se XXIII	2020	Radiation Physics and Chemistry	168		108447		2	10.1016/j.radphyschem.2019.108447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075365421&doi=10.1016%2fj.radphyschem.2019.108447&partnerID=40&md5=6121daff034e455fc06cb12549ae9078	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0969806X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for production of four top quarks in final states with same-sign or multiple leptons in proton–proton collisions at √s=13TeV	2020	European Physical Journal C	80	2	75		81	10.1140/epjc/s10052-019-7593-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078848913&doi=10.1140%2fepjc%2fs10052-019-7593-7&partnerID=40&md5=940ac4c92f6a85bc1e9495fcdbfbb810	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Kumar R.; Jain H.; Sriram S.; Chaudhary A.; Khare A.; Ch V.A.N.; Mondal D.P.	Lightweight open cell aluminum foam for superior mechanical and electromagnetic interference shielding properties	2020	Materials Chemistry and Physics	240		122274		50	10.1016/j.matchemphys.2019.122274	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073075386&doi=10.1016%2fj.matchemphys.2019.122274&partnerID=40&md5=251c2196e94518876e4596dabba2ff8d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Kumar A.; Sudipta; Murugavel S.	Influence of textural characteristics on biomineralization behavior of mesoporous SiO2-P2O5-CaO bioactive glass and glass-ceramics	2020	Materials Chemistry and Physics	242		122511		15	10.1016/j.matchemphys.2019.122511	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076050925&doi=10.1016%2fj.matchemphys.2019.122511&partnerID=40&md5=c2211b796fafc2a05d3021e14e98d0eb	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	2540584
Pandey A.K.; Natwariya P.K.; Bhatt J.R.	Magnetic fields in a hot dense neutrino plasma and the gravitational waves	2020	Physical Review D	101	2	23531		5	10.1103/PhysRevD.101.023531	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079771911&doi=10.1103%2fPhysRevD.101.023531&partnerID=40&md5=d4c518da067169b8370c58aab3d35ea2	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Saxena S.; Bagchi S.; Tayyab M.; Rao B.S.; Kumar S.; Gupta D.N.; Chakera J.A.	Scaling up and parametric characterization of two-color air plasma terahertz source	2020	Laser Physics	30	3	36002		5	10.1088/1555-6611/ab67cc	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082494999&doi=10.1088%2f1555-6611%2fab67cc&partnerID=40&md5=c4835c4858d31766a974d82cdb944244	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	1054660X
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for direct pair production of supersymmetric partners to the τ lepton in proton–proton collisions at √s=13TeV	2020	European Physical Journal C	80	3	189		22	10.1140/epjc/s10052-020-7739-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85080991473&doi=10.1140%2fepjc%2fs10052-020-7739-7&partnerID=40&md5=0477e3e484a0a0dd6d29d5046d273af3	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346044
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	3	56		71	10.1007/JHEP03(2020)056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081715381&doi=10.1007%2fJHEP03%282020%29056&partnerID=40&md5=80f0bbc42ea07dc1aa1dde7f7744dbe7	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Combined search for supersymmetry with photons in proton-proton collisions at s=13 TeV	2020	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	801		135183		3	10.1016/j.physletb.2019.135183	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119387577&doi=10.1016%2fj.physletb.2019.135183&partnerID=40&md5=a329d68615dfa4b12f921c3c7ad2d316	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sharma A.; Yadav K.; Shrimali M.D.; Prasad A.; Kuznetsov N.V.	Time varying feedback control on multi-stability in hidden attractor	2020	European Physical Journal: Special Topics	229	6-7		1245	3	10.1140/epjst/e2020-900167-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082822595&doi=10.1140%2fepjst%2fe2020-900167-1&partnerID=40&md5=e50e0e788cd592d18e2039df9ee288df	Department of Physics and Astrophysics, University of Delhi, ...	Springer	19516355
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for lepton flavour violating decays of a neutral heavy Higgs boson to μτ and eτ in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	3	103		21	10.1007/JHEP03(2020)103	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082490831&doi=10.1007%2fJHEP03%282020%29103&partnerID=40&md5=264ef2426e8dc6dbd49e99c4bd5e8114	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Malik S.; Chand H.; Seshadri T.R.	Role of Intervening Mg II Absorbers on the Rotation Measure and Fractional Polarization of the Background Quasars	2020	Astrophysical Journal	890	2	132		11	10.3847/1538-4357/ab6bd5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081663851&doi=10.3847%2f1538-4357%2fab6bd5&partnerID=40&md5=220db44a43dfb79b1804a1d38f160a3a	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	0004637X
Gupta S.; Paliwal A.; Gupta V.; Tomar M.	Surface Plasmon Resonance assisted optical analysis of Strontium Barium Niobate thin films	2020	Applied Surface Science	501		144178		7	10.1016/j.apsusc.2019.144178	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074122841&doi=10.1016%2fj.apsusc.2019.144178&partnerID=40&md5=4ff5ec7dfdf0f2b8b30ec8579bd6c000	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1694332

Matejska-Minda M.; Napiorkowski P.J.; Kumar R.; Saxena M.; Dutt S.; Agarwal A.; Ahmed I.; Bhattacharya S.; Jhingan A.; Kaur J.; Kicińska-Habior M.; Kumar M.; Kumar S.; Kumar D.; Nanal V.; Palit R.; Rai N.K.; Shuaib M.; Sood A.; Stolarz A.; Trivedi T.; Tyagi A.K.; Bhowmik R.K.; Wollersheim H.J.	Revised lifetime of the 11/2- state in 45Sc via coulomb excitation	2020	Acta Physica Polonica B	51	3		829	2	10.5506/APhysPolB.51.829	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085516162&doi=10.5506%2fAPhysPolB.51.829&partnerID=40&md5=da3067ac091137a4c302de34afa76247	Department of Physics and Astrophysics, University of Delhi, ...	Jagellonian University	5874254
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	3	25		23	10.1007/JHEP03(2020)025	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081277478&doi=10.1007%2fJHEP03%282020%29025&partnerID=40&md5=b02f888e2084276ea196c802a0e50652	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Bose-Einstein correlations of charged hadrons in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	3	14		13	10.1007/JHEP03(2020)014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081235272&doi=10.1007%2fJHEP03%282020%29014&partnerID=40&md5=9d380cf20f41f09d1bce5b6b2532a0fc	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Yadav N.; Yadav N.; Hashmi S.A.	Ionic liquid incorporated, redox-active blend polymer electrolyte for high energy density quasi-solid-state carbon supercapacitor	2020	Journal of Power Sources	451		227771		88	10.1016/j.jpowsour.2020.227771	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078191113&doi=10.1016%2fj.jpowsour.2020.227771&partnerID=40&md5=585b6bf99175de8864d37eaf5e6df71a	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	3787753
Neelam; Kumar S.; Devi K.R.; Kumar N.; Saha S.; Biswas S.; Singh P.; Babra F.S.; Laskar M.S.R.; Palit R.; Samanta S.; Das S.; Kumar A.; Srivastava P.C.	Intermediate structure and dipole bands in the transitional Ba 134 nucleus	2020	Physical Review C	101	1	14312		3	10.1103/PhysRevC.101.014312	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078756107&doi=10.1103%2fPhysRevC.101.014312&partnerID=40&md5=d14341b0988c32e285e18880fcda65cd	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Krishna S.; Kumar R.; Malik R.P.	A massive field-theoretic model for Hodge theory	2020	Annals of Physics	414		168087		7	10.1016/j.aop.2020.168087	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079381252&doi=10.1016%2fj.aop.2020.168087&partnerID=40&md5=d93ac3d57caa900bb8d23f6138759f29	Department of Physics and Astrophysics, University of Delhi, ...	Academic Press Inc.	34916
Joseph A.J.; Sinha N.; Goel S.; Hussain A.; Kumar B.	True-remanent, resistive-leakage and mechanical studies of flux grown 0.64PMN-0.36PT single crystals	2020	Arabian Journal of Chemistry	13	1		2596	16	10.1016/j.arabjc.2018.06.012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049482463&doi=10.1016%2fj.arabjc.2018.06.012&partnerID=40&md5=1000d6231f575bd0b7903659e8513577	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	18785352
Gupta G.; Sharma R.; Seshadri T.R.	Scalar spectral index in the presence of Primordial Black Holes	2020	International Journal of Modern Physics D	29	3	2050029		2	10.1142/S0218271820500297	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081949158&doi=10.1142%2fS0218271820500297&partnerID=40&md5=a4b400674e6f5559209fbf739afc333d	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific Publishing Co. Pte Ltd	2182718
Singh N.; Aggarwal S.; Mohan M.	Extended atomic structure calculations for w11+ and w13+	2020	Atoms	8	4	92	1	4	10.3390/atoms8040092	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097952820&doi=10.3390%2fatoms8040092&partnerID=40&md5=b972770ad0a59ded962130132489da38	Department of Physics and Astrophysics, University of Delhi, ...	MDPI AG	22182004

Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Banerjee P.; Ganguly S.; Rai S.; Pragati; Muralithar S.; Singh R.P.; Bhattacharjee S.S.; Kumar S.; Mayank; Kumar A.; Palit R.	Possible antimagnetic rotational band in 127Xe	2020	Journal of Physics G: Nuclear and Particle Physics	47	1	15103		10	10.1088/1361-6471/ab5374	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079461836&doi=10.1088%2f1361-6471%2fab5374&partnerID=40&md5=50fe631518cca66cea73389a327e0550	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics Publishing	9543899
Jangra S.; Sharma B.; Singh S.	Aloe-emodin-loaded SBA-15 and its in vitro release properties and cytotoxicity to cervical cancer cells	2020	Materials Research Innovations				1	3	10.1080/14328917.2020.1790181	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087631004&doi=10.1080%2f14328917.2020.1790181&partnerID=40&md5=4545f139dbba5a7bcd29e149dd675e6b	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	14328917
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	2	15		3	10.1007/JHEP02(2020)015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079427365&doi=10.1007%2fJHEP02%282020%29015&partnerID=40&md5=bb2e05184484e42dd18242c28266edcb	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	3	51		40	10.1007/JHEP03(2020)051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081750873&doi=10.1007%2fJHEP03%282020%29051&partnerID=40&md5=5c14af3c1b0e2755e10c228679a6b046	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the top quark pair production cross section in dilepton final states containing one τ lepton in pp collisions at √s = 13 TeV	2020	Journal of High Energy Physics	2020	2	191		5	10.1007/JHEP02(2020)191	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85080991624&doi=10.1007%2fJHEP02%282020%29191&partnerID=40&md5=662cb21605e4f7db9e19b417a12fb958	Department of Physics and Astrophysics, University of Delhi, ...	Springer	11266708

Prasad J.; Singh A.K.; Singh Gahlot A.P.; Tomar M.; Gupta V.; Singh K.	Electromagnetic interference shielding properties of hierarchical core-shell palladium-doped MoS2/CNT nanohybrid materials	2021	Ceramics International	47	19		27586	4	10.1016/j.ceramint.2021.06.183	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108787639&doi=10.1016%2fj.ceramint.2021.06.183&partnerID=40&md5=e69402d6872d71605e301a54d6c0a0c7	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Dawra D.; Dimri M.; Singh A.K.; Jha A.K.S.; Pandey R.K.; Sharma R.; Mohan M.	Influence of strongly coupled plasma environment on photoionization of H-like O7+ion	2021	Physics of Plasmas	28	11	112706		2	10.1063/5.0055265	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120053529&doi=10.1063%2f5.0055265&partnerID=40&md5=39ee109d39e89d3135bc8dc5a58a0b8b	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Vandana; Gupta R.; Tomar M.; Tandon R.P.; Gupta V.	Correction: Enhancement in the Dielectric Property of Thick Lead Zirconium Titanate Films under UV Illumination (physica status solidi (a), (2021), 218, 15, (2000728), 10.1002/pssa.202000728)	2021	Physica Status Solidi (A) Applications and Materials Science	218	21	2100609		0	10.1002/pssa.202100609	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118440008&doi=10.1002%2fpssa.202100609&partnerID=40&md5=67d70d6f2235dab5f8f78c0b85aa5c42	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	18626300
Kumar Y.; Singh S.S.; Jain P.	Diphoton production rate in relativistic nuclear collisions	2021	Physica Scripta	96	12	124060		2	10.1088/1402-4896/ac36a0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120606572&doi=10.1088%2f1402-4896%2fac36a0&partnerID=40&md5=17cd2c8307170fdcc235d8784e362a9f	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	318949

Devi P.; Srivastava M.; Kim N.H.; Lee J.H.; Mishra D.	Efficient energy storage performance of in situ grown Co3V2O8-RGO composite nanostructure for high performance asymmetric Co3V2O8-RGO//RGO supercapacitors and consequence of magnetic field induced enhanced capacity	2021	Composites Part B: Engineering	227		109384		12	10.1016/j.compositesb.2021.109384	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117102816&doi=10.1016%2fj.compositesb.2021.109384&partnerID=40&md5=3b314c2d3483228f321c3fc634e51294	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13598368
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Study of Z boson plus jets events using variables sensitive to double-parton scattering in pp collisions at 13 TeV	2021	Journal of High Energy Physics	2021	10	176		4	10.1007/JHEP10(2021)176	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118439141&doi=10.1007%2fJHEP10%282021%29176&partnerID=40&md5=6a24316963d423b9d7c7d41c45e10261	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Negi S.	Electrical behaviour of ionic liquid confined in nanochannels	2021	Microfluidics and Nanofluidics	25	9	79		1	10.1007/s10404-021-02481-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113710035&doi=10.1007%2fs10404-021-02481-4&partnerID=40&md5=b011e9fedc303da6a1aac6ee64d12db8	Department of Physics and Astrophysics, University of Delhi	Springer Science and Business Media Deutschland GmbH	16134982
Soni B.; Makkar S.; Biswas S.	Defects induced tailored optical and magnetic properties of Zn-doped CeO2 nanoparticles synthesized by a facile sol-gel type process	2021	Journal of Alloys and Compounds	879		160149		9	10.1016/j.jallcom.2021.160149	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106589576&doi=10.1016%2fj.jallcom.2021.160149&partnerID=40&md5=0e8d4b26fb4e5133bed080ecd1fdea62	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Extended search for supernovalike neutrinos in NOvA coincident with LIGO/Virgo detections	2021	Physical Review D	104	6	63024		1	10.1103/PhysRevD.104.063024	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115418297&doi=10.1103%2fPhysRevD.104.063024&partnerID=40&md5=aa06716a182adf3fb7925db8ce7e3029	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	First measurement of the cross section for top quark pair production with additional charm jets using dileptonic final states in pp collisions at √s=13TeV	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	820		136565		10	10.1016/j.physletb.2021.136565	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113665013&doi=10.1016%2fj.physletb.2021.136565&partnerID=40&md5=f3525c2d4c21a2ab01efbc579aa898dd	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Precision luminosity measurement in proton–proton collisions at √s=13TeV in 2015 and 2016 at CMS	2021	European Physical Journal C	81	9	800		105	10.1140/epjc/s10052-021-09538-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114932161&doi=10.1140%2fepjc%2fs10052-021-09538-2&partnerID=40&md5=06297856ff5504eea7e4679f811b40de	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Rojeeta Devi K.; Kumar S.; Kumar N.; Neelam; Babra F.S.; Laskar M.S.R.; Biswas S.; Saha S.; Singh P.; Samanta S.; Das S.; Chakraborty S.; Singh R.P.; Muralithar S.; Kumar A.	Observation of multiphonon transverse wobbling in 133Ba	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	823		136756		6	10.1016/j.physletb.2021.136756	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117923208&doi=10.1016%2fj.physletb.2021.136756&partnerID=40&md5=cb2cd9a3d604c5b56db77a620ef9c91d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Dey U.K.; Nath N.; Sadhukhan S.	Charged Higgs effects in IceCube: PeV events and NSIs	2021	Journal of High Energy Physics	2021	9	113		3	10.1007/JHEP09(2021)113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115198184&doi=10.1007%2fJHEP09%282021%29113&partnerID=40&md5=3b08e7a09c3d841e9cb3fccba3ab7475	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Saha P.; Gopinathan M.; Sharma E.; Won Lee C.; Ghosh T.; Kim S.	Tracing the magnetic field morphology of the LDN 1172/1174 cloud complex	2021	Astronomy and Astrophysics	655		A76		2	10.1051/0004-6361/202039948	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120082071&doi=10.1051%2f0004-6361%2f202039948&partnerID=40&md5=88620bc7d75b02286802ee2e0809bc4d	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361

Kunj S.	Defects suppression and Co–O–Co bonding mediated influences to enhance the luminescence characteristics of Co doped ZnO nanoparticles	2021	Chemical Physics	549		111263		1	10.1016/j.chemphys.2021.111263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108067834&doi=10.1016%2fj.chemphys.2021.111263&partnerID=40&md5=3a48511b4c731e629b533a0bf83ff0fb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3010104
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of differential t t ¯ production cross sections in the full kinematic range using lepton+jets events from proton-proton collisions at s =13 TeV MEASUREMENT of DIFFERENTIAL ... A. TUMASYAN et al.	2021	Physical Review D	104	9	92013		27	10.1103/PhysRevD.104.092013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121314677&doi=10.1103%2fPhysRevD.104.092013&partnerID=40&md5=2c3f2ff7ff9ade2432fc0a4bf3215a1a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of angular distance and momentum ratio distributions in three-jet and Z + two-jet final states in pp collisions	2021	European Physical Journal C	81	9	852		2	10.1140/epjc/s10052-021-09570-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115860978&doi=10.1140%2fepjc%2fs10052-021-09570-2&partnerID=40&md5=150692eaafebbd37c388b82737f60530	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Ali N.; Sahare P.D.	Dosimetry characteristics of NaLi2PO4:Tb3+ OSLD phosphor	2021	Journal of Radioanalytical and Nuclear Chemistry	330	3		941	1	10.1007/s10967-021-08033-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116739250&doi=10.1007%2fs10967-021-08033-y&partnerID=40&md5=898a4e9134e0f360d49e0edb81120a5a	Department of Physics and Astrophysics, University of Delhi	Springer Science and Business Media B.V.	2365731
Saran M.; Sahare P.D.; Chauhan V.; Kumar R.; Mandlik N.T.	Thermoluminescence in Eu doped NaLi2PO4TLD nanophosphor: Effect of particle size on TL characteristics	2021	Journal of Luminescence	238		118207		6	10.1016/j.jlumin.2021.118207	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106945533&doi=10.1016%2fj.jlumin.2021.118207&partnerID=40&md5=5d62eff906dd24731285625da329ec51	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	222313
Mishra S.; Gopal-Krishna; Chand H.; Chand K.; Kumar A.; Negi V.	A search for blazar activity in broad-absorption-line quasars	2021	Monthly Notices of the Royal Astronomical Society: Letters	507	1		L46	2	10.1093/mnrasl/slab095	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114602967&doi=10.1093%2fmnrasl%2fslab095&partnerID=40&md5=502fdfee72d6163dc6a34c690545d714	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	17453925
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of prompt open-charm production cross sections in proton-proton collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	11	225		2	10.1007/JHEP11(2021)225	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120995424&doi=10.1007%2fJHEP11%282021%29225&partnerID=40&md5=5d871b6a86b9c98c1e29ea43d83af862	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Bharadwaj H.; Dutta S.; Goyal A.	Leptonic g − 2 anomaly in an extended Higgs sector with vector-like leptons	2021	Journal of High Energy Physics	2021	11	56		14	10.1007/JHEP11(2021)056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118955923&doi=10.1007%2fJHEP11%282021%29056&partnerID=40&md5=656bef3c919597be6baff2edd89be53e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Singh G.; Yadav R.K.S.; Sahu S.; Subramaniam A.	Study of dynamical status of the globular cluster NGC 1851 using ultraviolet imaging telescope	2021	Journal of Astrophysics and Astronomy	42	2	53		0	10.1007/s12036-021-09725-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108172515&doi=10.1007%2fs12036-021-09725-3&partnerID=40&md5=d8acf480f2b5d052bf661f086b24972f	Department of Physics and Astrophysics, University of Delhi, ...	Springer	2506335
Dimri M.; Dawra D.; Singh A.K.; Jha A.K.S.; Pandey R.K.; Sharma R.; Mohan M.	Fine structure calculations of excitation energies, lifetimes and radiative properties of S-like Kr XXI	2021	Radiation Physics and Chemistry	189		109756		0	10.1016/j.radphyschem.2021.109756	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113498076&doi=10.1016%2fj.radphyschem.2021.109756&partnerID=40&md5=597297ddd1b28c469ed872b7b1708da6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0969806X

Vashisht G.; Shashank U.; Gupta S.; Medwal R.; Dong C.L.; Chen C.L.; Asokan K.; Fukuma Y.; Annapoorni S.	Pinning-assisted out-of-plane anisotropy in reverse stack FeCo/FePt intermetallic bilayers for controlled switching in spintronics	2021	Journal of Alloys and Compounds	877		160249		3	10.1016/j.jallcom.2021.160249	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107670202&doi=10.1016%2fj.jallcom.2021.160249&partnerID=40&md5=8b029d5074c769ebe339df60951346b2	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Sharma P.; Sharma R.; Jain C.; Dewangan G.C.; Dutta A.	Broad-band spectral study of LMXB black hole candidate 4U 1957+11 with NuSTAR	2021	Research in Astronomy and Astrophysics	21	9	214		4	10.1088/1674-4527/21/9/214	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119499670&doi=10.1088%2f1674-4527%2f21%2f9%2f214&partnerID=40&md5=5c7b3af2e250488af826bfa0aa1aa0a1	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	16744527
Gupta S.; Ravikant C.; Kaur A.	One-pot wet chemical synthesis of reduced graphene oxide-zinc oxide nanocomposites for fast and selective ammonia sensing at room temperature	2021	Sensors and Actuators, A: Physical	331		112965		14	10.1016/j.sna.2021.112965	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110319606&doi=10.1016%2fj.sna.2021.112965&partnerID=40&md5=4f3b2b54abbcfc71c1cb6d12b816d2ed	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9244247
Dlb S.; Braine J.; Gopinathan M.; Lara-López M.A.; Kravtsov V.V.; Soam A.; Sharma E.; Zhukovska S.; Aouad C.; Belinchón J.A.; Helou G.; Li D.	The structure and characteristic scales of the H» i gas in galactic disks	2021	Astronomy and Astrophysics	655		A101		8	10.1051/0004-6361/202141803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120667990&doi=10.1051%2f0004-6361%2f202141803&partnerID=40&md5=f5d573ce59fa5b0eb06136ce29f1e044	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for lepton-flavor violating decays of the Higgs boson in the μτ and eτ final states in proton-proton collisions at s =13 TeV	2021	Physical Review D	104	3	32013		34	10.1103/PhysRevD.104.032013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114624026&doi=10.1103%2fPhysRevD.104.032013&partnerID=40&md5=ce8f1868b256642c0c74e1a5b66f58f4	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Batra K.; Sinha N.; Kumar B.	Ba-doped ZnO nanorods: Efficient piezoelectric filler material for PDMS based flexible nanogenerator	2021	Vacuum	191		110385		19	10.1016/j.vacuum.2021.110385	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107796871&doi=10.1016%2fj.vacuum.2021.110385&partnerID=40&md5=272823f0183ab44bedd22645f8ce86a4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0042207X
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for long-lived particles decaying to jets with displaced vertices in proton-proton collisions at s =13 TeV	2021	Physical Review D	104	5	52011		11	10.1103/PhysRevD.104.052011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116454366&doi=10.1103%2fPhysRevD.104.052011&partnerID=40&md5=c2254c872f757d15d563537690c14f7c	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Mandlik N.T.; Varma V.B.; Sahare P.D.; Mathe V.L.; Bhoraskar S.V.; Dhole S.D.	Synthesis of nanocrystalline Al2O3:C by thermal plasma reactor for radiation dosimetry applications	2021	Journal of Radioanalytical and Nuclear Chemistry	330	3		1533	2	10.1007/s10967-021-08052-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118262968&doi=10.1007%2fs10967-021-08052-9&partnerID=40&md5=1b4fd64a7a7ec06f063dc947c9876594	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media B.V.	2365731
Balendra; Singh B.; Banday A.; Tewari S.; Kumar V.; Murugavel S.; Joy P.A.; Ramanan A.	Synthesis, crystal structures, dielectric and magnetic properties of manganese sulfonyldibenzoates	2021	CrystEngComm	23	38		6703	4	10.1039/d1ce00810b	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116877835&doi=10.1039%2fd1ce00810b&partnerID=40&md5=95e39241e5bb5deeae4f026a20e4f187	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14668033
Gautam R.R.; Kumar S.	A new texture of neutrino mass matrix with three constraints	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	820		136504		2	10.1016/j.physletb.2021.136504	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109802863&doi=10.1016%2fj.physletb.2021.136504&partnerID=40&md5=72ca94c5c89cb435bb05d7cf3348371c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for chargino-neutralino production in events with Higgs and W bosons using 137 fb −1 of proton-proton collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	10	45		10	10.1007/JHEP10(2021)045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117114706&doi=10.1007%2fJHEP10%282021%29045&partnerID=40&md5=79205eb817b85b6520b29e8b724e288f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at sNN =5.02 TeV	2021	Physical Review Letters	127	12	122001		20	10.1103/PhysRevLett.127.122001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115323201&doi=10.1103%2fPhysRevLett.127.122001&partnerID=40&md5=b3cd9bbab358b3f428e2e765e8378f07	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Bharadvaja A.; Bassi M.; Arora A.K.; Baluja K.L.	Electron interactions with tetramethylsilane from the ionization threshold up to 5000 eV	2021	Plasma Sources Science and Technology	30	9	95012		9	10.1088/1361-6595/ac12c2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115951350&doi=10.1088%2f1361-6595%2fac12c2&partnerID=40&md5=eaccd36e6e6ae1fbb2d487d093571017	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9630252
Bhogra A.; Masarrat A.; Hasina D.; Kumar V.; Meena R.; Kumar A.; Som T.; Dong C.-L.; Chen C.-L.; Kandasami A.	Understanding the role of structural distortions on the transport properties of Ar ion irradiated SrTiO3thin films: X-ray absorption investigation	2021	Journal of Applied Physics	130	17	175102		0	10.1063/5.0067510	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118776355&doi=10.1063%2f5.0067510&partnerID=40&md5=7257985fdb0361daa100bc9f0b9d89e8	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	218979
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Search for Active-Sterile Antineutrino Mixing Using Neutral-Current Interactions with the NOvA Experiment	2021	Physical Review Letters	127	20	201801		6	10.1103/PhysRevLett.127.201801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119211573&doi=10.1103%2fPhysRevLett.127.201801&partnerID=40&md5=f446d04dd05a57ab9a2ed86a9806e606	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sethi V.	Study of phases in a holographic QCD model	2021	International Journal of Modern Physics A	36	29	2150213		0	10.1142/S0217751X21502134	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118504151&doi=10.1142%2fS0217751X21502134&partnerID=40&md5=528149a5d522af0835148b35208a1d00	Department of Physics and Astrophysics, University of Delhi	World Scientific	0217751X
Kumar S.; Sreenivas K.	Correction to: Effects of dl-alanine fuel and annealing on combustion derived MgFe2O4 powder with low carbon content and improved magnetic properties (Applied Physics A, (2021), 127, 3, (165), 10.1007/s00339-020-04246-2)	2021	Applied Physics A: Materials Science and Processing	127	9	685		0	10.1007/s00339-021-04764-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115183475&doi=10.1007%2fs00339-021-04764-7&partnerID=40&md5=a4f69561769199d1f988869a4ea88bcd	Department of Physics and Astrophysics, University of Delhi	Springer Science and Business Media Deutschland GmbH	9478396
Jain A.; Gupta D.N.	Optimization of electron bunch quality using a chirped laser pulse in laser wakefield acceleration	2021	Physical Review Accelerators and Beams	24	11	111302		7	10.1103/PhysRevAccelBeams.24.111302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120552456&doi=10.1103%2fPhysRevAccelBeams.24.111302&partnerID=40&md5=6481e00d62632d452dedb4da1c9afb88	Department of Physics and Astrophysics, University of Delhi	American Physical Society	24699888

Tonon N.; Aarup Petersen H.; Aldaya Martin M.; Asmuss P.; Baxter S.; Bayatmakou M.; Behnke O.; Bermúdez Martínez A.; Bhattacharya S.; Bin Anuar A.A.; Borras K.; Brunner D.; Campbell A.; Cardini A.; Cheng C.; Colombina F.; Consuegra Rodríguez S.; Correia Silva G.; Danilov V.; De Silva M.; Didukh L.; Eckerlin G.; Eckstein D.; Estevez Banos L.I.; Filatov O.; Gallo E.; Geiser A.; Giraldi A.; Grohsjean A.; Guthoff M.; Jafari A.; Jomhari N.Z.; Jung H.; Kasem A.; Kasemann M.; Kaveh H.; Kleinwort C.; Krücker D.; Lange W.; Lidrych J.; Lipka K.; Lohmann W.; Mankel R.; Melzer-Pellmann I.-A.; Mendizabal Morentin M.; Metwally J.; Meyer A.B.; Meyer M.; Mnich J.; Mussgiller A.; Otarid Y.; Pérez Adán D.; Pitzl	Probing effective field theory operators in the associated production of top quarks with a Z boson in multilepton final states at √s = 13 TeV	2021	Journal of High Energy Physics	2021	12	83		10	10.1007/JHEP12(2021)083	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122912032&doi=10.1007%2fJHEP12%282021%29083&partnerID=40&md5=d573c9f0025aa00a167cd4261d696957	Deutsches Elektronen-Synchrotron, Hamburg, Germany; Yerevan Physics Institute, Yerevan, Armenia; Institut für Hochenergiephysik, Wien, Austria; Institute for Nuclear Problems, Minsk, Belarus; Universiteit Antwerpen, Antwerpen, Belgium; Vrije Universiteit Brussel, Brussel, Belgium; Université Libre de Bruxelles, Bruxelles, Belgium; Ghent University, Ghent, Belgium; Université Catholique de Louvain, Louvain-la-Neuve, Belgium; Centro Brasileiro de Pesquisas Fisicas, Rio de Janeiro, Brazil; Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brazil; Universidade Estadual Paulista, São Paulo, Brazil; Universidade Federal do ABC, São Paulo,	Springer Science and Business Media Deutschland GmbH	10298479
Kumarasamy S.; Dudkowski D.; Prasad A.; Kapitaniak T.	Ordered slow and fast dynamics of unsynchronized coupled phase oscillators	2021	Chaos	31	8	81102		5	10.1063/5.0063513	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114625011&doi=10.1063%2f5.0063513&partnerID=40&md5=42949e774131eed184c715cb6460f7c9	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	10541500
Vashisht A.; Channey K.S.; Bagai A.; Awasthi N.; Ahuja G.; Gupta M.	Probing quark mass matrices in the flavor basis	2021	International Journal of Modern Physics A	36	30	2150230		0	10.1142/S0217751X21502304	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119682802&doi=10.1142%2fS0217751X21502304&partnerID=40&md5=fdc9635a3767a43a112d76f64050f302	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	0217751X
Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Gupta A.K.; Banerjee P.; Ganguly S.; Rai S.; Pragati; Mayank; Kumar S.; Bhattacharjee S.S.; Singh R.P.; Muralithar S.; Kumar A.; Palit R.	A note on the parity of i π = 5 - State in 1 2 6, 1 2 8 Xe	2021	International Journal of Modern Physics E	30	10	2150085		1	10.1142/S0218301321500853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119407790&doi=10.1142%2fS0218301321500853&partnerID=40&md5=89260e9c00fd13aaaa63e6bb0d426998	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2183013
Arora A.K.; Sahgal V.; Gupta K.K.; Bharadvaja A.; Baluja K.L.	Positron-induced scattering from pentane isomers beyond ionization threshold	2021	European Physical Journal D	75	10	259		4	10.1140/epjd/s10053-021-00273-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116091428&doi=10.1140%2fepjd%2fs10053-021-00273-7&partnerID=40&md5=d481b8d24be55a59031789693004b22a	Formerly at Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Varshney V.; Kumarasamy S.; Mishra A.; Biswal B.; Prasad A.	Traveling of extreme events in network of counter-rotating nonlinear oscillators	2021	Chaos	31	9	93136		12	10.1063/5.0059750	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116146996&doi=10.1063%2f5.0059750&partnerID=40&md5=eeb91533e2d777a4bef27f9b0855ad9f	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	10541500

Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy resonance decaying to a top quark and a W boson at √s = 13 TeV in the fully hadronic final state	2021	Journal of High Energy Physics	2021	12	106		4	10.1007/JHEP12(2021)106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121572316&doi=10.1007%2fJHEP12%282021%29106&partnerID=40&md5=125b07d4898575c057018a4742eaf5b7	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the τττbb final state at 13 TeV	2021	Journal of High Energy Physics	2021	11	57		14	10.1007/JHEP11(2021)057	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119360754&doi=10.1007%2fJHEP11%282021%29057&partnerID=40&md5=dff4abc1a8b48f2e8f1c606b5bc3bf52	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the rare decay of the W boson into a pion and a photon in proton-proton collisions at s=13TeV	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	819		136409		3	10.1016/j.physletb.2021.136409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111246735&doi=10.1016%2fj.physletb.2021.136409&partnerID=40&md5=b60a79d5468a3e4a32285a3d0266fbea	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Kumar R.; Kaur A.	Low frequency AC conduction and dielectric spectroscopy investigations on graphene oxide using dielectric modulus approach	2021	Diamond and Related Materials	120		108633		0	10.1016/j.diamond.2021.108633	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117352299&doi=10.1016%2fj.diamond.2021.108633&partnerID=40&md5=d19604d50c0477945696b35d1bd54fd7	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9259635
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Combined searches for the production of supersymmetric top quark partners in proton–proton collisions at √s=13Te	2021	European Physical Journal C	81	11	970		21	10.1140/epjc/s10052-021-09721-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118797403&doi=10.1140%2fepjc%2fs10052-021-09721-5&partnerID=40&md5=97c969e7735f500b8c5489634ce84482	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Vij M.; Yadav H.; Goel S.; Vashistha N.; Sonia; Nayak D.; Kumar P.; Maurya K.K.	Crystal structure, High-resolution X-ray diffraction and Hirshfeld surface analysis of a novel third-order nonlinear optical crystal: Diisopropylammonium oxalate	2021	Journal of Molecular Structure	1246		131177		9	10.1016/j.molstruc.2021.131177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111575233&doi=10.1016%2fj.molstruc.2021.131177&partnerID=40&md5=9afad2a1ce98caf9897f3eec2986f5ed	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	222860
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the top quark mass using events with a single reconstructed top quark in pp collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	12	161		5	10.1007/JHEP12(2021)161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122124745&doi=10.1007%2fJHEP12%282021%29161&partnerID=40&md5=2e37e86443e7d96689ab95ed5c95f05f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for W′ bosons decaying to a top and a bottom quark at s=13TeV in the hadronic final state	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	820		136535		16	10.1016/j.physletb.2021.136535	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112351863&doi=10.1016%2fj.physletb.2021.136535&partnerID=40&md5=af956e80cb563bd9cd9c7d5c6363c8d7	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Ameer S.; Jindal K.; Tomar M.; Gupta V.; Jha P.K.	Role of H impurity as compensating center in BiFeO3 by first-principle calculations	2021	Physica Scripta	96	12	125813		0	10.1088/1402-4896/ac227e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115179056&doi=10.1088%2f1402-4896%2fac227e&partnerID=40&md5=8b3eb200951702c3c52027f141390371	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	318949
Bhatt V.; Yadav S.; Jha P.K.; Bhattacherjee A.B.	Photon blockade in a coupled double quantum dot - Nonlinear optomechanical system	2021	Physica Scripta	96	12	125108		0	10.1088/1402-4896/ac237c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116335639&doi=10.1088%2f1402-4896%2fac237c&partnerID=40&md5=ab56c3ad355727d9c28f2a61e2610ef3	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	318949

Das S.; Sur S.	Emergent gravity and the quantum	2021	International Journal of Modern Physics D	30	14	2142030		5	10.1142/S021827182142030X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120756112&doi=10.1142%2fS021827182142030X&partnerID=40&md5=3e9e69367635826fb922e864f053efae	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2182718
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state	2021	Physical Review D	104	5			26	10.1103/PhysRevD.104.052004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116946295&doi=10.1103%2fPhysRevD.104.052004&partnerID=40&md5=00b016ccd820f073bbe4f3c011cfcd67	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the azimuthal anisotropy of [Formula presented] and [Formula presented] mesons in PbPb collisions at s =5.02TeV	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	819		136385		15	10.1016/j.physletb.2021.136385	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111180510&doi=10.1016%2fj.physletb.2021.136385&partnerID=40&md5=a1514b9e0e3116d01a95c642b75b3fc9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Dahiya B.; Kumar K.; Prasad V.	Electric field modified quantum entropic measures of particle in a spherical box	2021	European Physical Journal Plus	136	10	1031		4	10.1140/epjp/s13360-021-02041-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117285940&doi=10.1140%2fepjp%2fs13360-021-02041-3&partnerID=40&md5=783ab2a6e831ec401bfff2390a213b3c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	21905444
Islam S.; Sehrawat P.; Khan H.; Hashmi S.A.; Zulfequar M.	Poly(o-toluidine)/multiwalled carbon nanotube-based nanocomposites: An efficient electrode material for supercapacitors	2021	Journal of Materials Research	36	17		3472	3	10.1557/s43578-021-00383-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115201009&doi=10.1557%2fs43578-021-00383-3&partnerID=40&md5=c44a86198abb4fdbf7a6895c63d30a18	Department of Physics and Astrophysics, University of Delhi, ...	Springer Nature	8842914
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	11	153		46	10.1007/JHEP11(2021)153	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119894636&doi=10.1007%2fJHEP11%282021%29153&partnerID=40&md5=7d85a7686045c13aa21d1d9f58cea94c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Bhagat K.Y.; Bose B.; Choudhury S.; Chowdhury S.; Das R.N.; Dastider S.G.; Gupta N.; Maji A.; Pasquino G.D.; Paul S.	The generalized otoc from supersymmetric quantum mechanics—study of random fluctuations from eigenstate representation of correlation functions	2021	Symmetry	13	1	44	1	12	10.3390/sym13010044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098843682&doi=10.3390%2fsym13010044&partnerID=40&md5=4574217c16be87a72273f0b662b44044	Department of Physics and Astrophysics, University of Delhi, ...	MDPI AG	20738994
Gupta A.; Sharma S.; Gupta R.; Sharma A.; Tomar M.	Exploitation of electric field assisted optical signal amplification in ferroelectric photorefractive K0.50Na0.50NbO3 thin film	2021	Optical Materials	121		111599		1	10.1016/j.optmat.2021.111599	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115774594&doi=10.1016%2fj.optmat.2021.111599&partnerID=40&md5=0cfdb306d41d3ac035893fdd9ba08df7	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9253467
Gupta S.; Pal M.; Tomar M.; Guo R.; Bhalla A.; Gupta V.	Ferroelectric and magnetic domain mapping of magneto-dielectric Ce doped BiFeO3 thin films	2021	Journal of Alloys and Compounds	882		160698		6	10.1016/j.jallcom.2021.160698	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107583307&doi=10.1016%2fj.jallcom.2021.160698&partnerID=40&md5=b4a58dee3adfeec6570d83c9d24ed582	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurements of the pp → W± γγ and pp → Zγγ cross sections at √s = 13 TeV and limits on anomalous quartic gauge couplings	2021	Journal of High Energy Physics	2021	10	174		9	10.1007/JHEP10(2021)174	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118231834&doi=10.1007%2fJHEP10%282021%29174&partnerID=40&md5=b7d22994cd13147afff13ef4e7eb174c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479

Kumar S.; Sharma A.; Gupta V.; Tomar M.	Development of novel MoS2 hydrovoltaic nanogenerators for electricity generation from moving NaCl droplet	2021	Journal of Alloys and Compounds	884		161058		9	10.1016/j.jallcom.2021.161058	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110186271&doi=10.1016%2fj.jallcom.2021.161058&partnerID=40&md5=df9915126399a359c148704ddce954e4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Chaudhari R.; Garg A.; Singh K.; Tomar M.; Gupta V.; RaviKant C.	Bismuth tri-iodide-polystyrene composite for X-rays switching applications at room temperature	2021	Radiation Physics and Chemistry	186		109538		10	10.1016/j.radphyschem.2021.109538	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107768835&doi=10.1016%2fj.radphyschem.2021.109538&partnerID=40&md5=74bf480b58cf8768058d67decb9a1cbd	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0969806X
Moditma; Singh P.; Sharma R.; Verma A.K.; Annapoorni S.	FeCo nanoparticles as antibacterial agents with improved response in magnetic field: An insight into the associated toxicity mechanism	2021	Nanotechnology	32	33	335101		3	10.1088/1361-6528/abfa53	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107550308&doi=10.1088%2f1361-6528%2fabfa53&partnerID=40&md5=c0a3f53a96931c5a7453cf695a6d07aa	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9574484
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for singly and pair-produced leptoquarks coupling to third-generation fermions in proton-proton collisions at s=13 TeV	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	819		136446		47	10.1016/j.physletb.2021.136446	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111238296&doi=10.1016%2fj.physletb.2021.136446&partnerID=40&md5=ef58efe63e43db679ab742b4f1222aa3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Adil S.A.; Gangopadhyay M.R.; Sami M.; Sharma M.K.	Late-time acceleration due to a generic modification of gravity and the Hubble tension	2021	Physical Review D	104	10	103534		7	10.1103/PhysRevD.104.103534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121240935&doi=10.1103%2fPhysRevD.104.103534&partnerID=40&md5=7aed16405b471da7c9b5c43d93f469f6	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Bala N.; Gupta G.; Mitra A.; Rath S.	Annealing effects on the microstructure, stoichiometry, and ferromagnetic/antiferromagnetic fraction in NiO nanoparticles	2021	Materials Science and Engineering: B	274		115459		3	10.1016/j.mseb.2021.115459	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115386187&doi=10.1016%2fj.mseb.2021.115459&partnerID=40&md5=8106cda922ecfcb930b12ddf098d8b42	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9215107
Salazar S.J.C.; Laguna H.G.; Dahiya B.; Prasad V.; Sagar R.P.	Correction to: Shannon information entropy sum of the confined hydrogenic atom under the influence of an electric field (The European Physical Journal D, (2021), 75, 4, (127), 10.1140/epjd/s10053-021-00143-2)	2021	European Physical Journal D	75	9	255		0	10.1140/epjd/s10053-021-00238-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115662276&doi=10.1140%2fepjd%2fs10053-021-00238-w&partnerID=40&md5=bf4b1e8fd2dbd7e38b7b4076ef8b44f1	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Pandey I.; Chandra A.	Effect of thermal degradation of polymer on redox initiated fractal geometries	2021	Chemical Physics Impact	3		100028		1	10.1016/j.chphi.2021.100028	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126163061&doi=10.1016%2fj.chphi.2021.100028&partnerID=40&md5=266004b14ef8ecbc3f3ac8f8fc98861c	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	26670224
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for top squark production in fully hadronic final states in proton-proton collisions at s =13 TeV	2021	Physical Review D	104	5	52001		30	10.1103/PhysRevD.104.052001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114859903&doi=10.1103%2fPhysRevD.104.052001&partnerID=40&md5=7a0ffc79df76ac5612e2cd7292ae7f08	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z -Boson Yields and Azimuthal Anisotropy at sNN =5.02 TeV	2021	Physical Review Letters	127	10	102002		6	10.1103/PhysRevLett.127.102002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114677878&doi=10.1103%2fPhysRevLett.127.102002&partnerID=40&md5=3ba40a5406bb7fe123a3dd059108870a	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the inclusive and differential t t¯γ cross sections in the single-lepton channel and EFT interpretation at √s = 13 TeV	2021	Journal of High Energy Physics	2021	12	180		5	10.1007/JHEP12(2021)180	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122954120&doi=10.1007%2fJHEP12%282021%29180&partnerID=40&md5=dce0b456b8efd81a12dcea3e68d67384	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Gupta D.N.; Yadav M.; Jain A.; Kumar S.	Electron bunch charge enhancement in laser wakefield acceleration using a flattened Gaussian laser pulse	2021	Physics Letters, Section A: General, Atomic and Solid State Physics	414		127631		4	10.1016/j.physleta.2021.127631	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113161169&doi=10.1016%2fj.physleta.2021.127631&partnerID=40&md5=87be551200d430e8d722fe9922df3085	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3759601
Chattopadhyay A.K.; Choudhury D.; Ghosh G.; Kundu B.; Nath S.K.	Infection kinetics of Covid-19 and containment strategy	2021	Scientific Reports	11	1	11606		3	10.1038/s41598-021-90698-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107136685&doi=10.1038%2fs41598-021-90698-2&partnerID=40&md5=33d84b049143f8c3f1179124a972d781	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	20452322
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at s =13 TeV	2021	Physical Review Letters	127	26	A90		17	10.1103/PhysRevLett.127.261804	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123372703&doi=10.1103%2fPhysRevLett.127.261804&partnerID=40&md5=ef2301eab5ee97486e5f9fba457405de	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Pandey A.K.; Anand S.	Generating a seed magnetic field à la the chiral Biermann battery GENERATING A SEED MAGNETIC FIELD à la the CHIRAL ... PANDEY ARUN KUMAR and ANAND SAMPURN	2021	Physical Review D	104	6	63508		0	10.1103/PhysRevD.104.063508	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114414780&doi=10.1103%2fPhysRevD.104.063508&partnerID=40&md5=b883d56122d79c919d2fcebde34b3e65	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Chothe H.R.; Saxena G.; Somorendro Singh S.	Evaluation of bulk thermodynamical properties of QGP with two-loop corrections in the potential	2021	Pramana - Journal of Physics	95	3	147		0	10.1007/s12043-021-02186-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113814754&doi=10.1007%2fs12043-021-02186-x&partnerID=40&md5=bc989c0d31800b5eef7d509397e03eb3	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3044289
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Observation of tW production in the single-lepton channel in pp collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	11	111		9	10.1007/JHEP11(2021)111	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119607780&doi=10.1007%2fJHEP11%282021%29111&partnerID=40&md5=c1795649c01112c62a434f22394a3d10	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Gola M.; Brunbauer F.; Janssens D.; Kumar A.; Lisowska M.; Muller H.; Naimuddin M.; Oliveri E.; Pfeiffer D.; Ropelewski L.; Scharenberg L.; Van Stenis M.; Utrobicic A.; Veenhof R.	A new technique to establish the uniformity of the induction gap in GEM based detectors	2021	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	1019		165826		0	10.1016/j.nima.2021.165826	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116898164&doi=10.1016%2fj.nima.2021.165826&partnerID=40&md5=23e1e83819d069c46690536a1466f1df	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at s =5.02 TeV Using Leptonic Decays	2021	Physical Review Letters	127	19	A42		5	10.1103/PhysRevLett.127.191801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119446476&doi=10.1103%2fPhysRevLett.127.191801&partnerID=40&md5=7e75fb1698b26096faf86582572e165e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the electroweak production of Zγ and two jets in proton-proton collisions at s =13 TeV and constraints on anomalous quartic gauge couplings	2021	Physical Review D	104	7	72001		15	10.1103/PhysRevD.104.072001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117586058&doi=10.1103%2fPhysRevD.104.072001&partnerID=40&md5=840ec13c3d1beea75659c1959613fc76	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Sharma S.; Gupta R.; Kumar A.; Gupta V.; Tomar M.	Investigation of optical non-linearity of lead-free ferroelectric potassium sodium niobate (K0.35Na0.65NbO3) thin films via two-wave mixing phenomenon	2021	Optics and Laser Technology	141		107148		6	10.1016/j.optlastec.2021.107148	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105696234&doi=10.1016%2fj.optlastec.2021.107148&partnerID=40&md5=2ed20eff2e58261b389ed6289601cd49	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	303992
Shalu; Singh R.K.; Dhar R.	Momentous past and key advancements in ionic liquid mediated polymer electrolyte for application in energy storage	2021	International Journal of Energy Research	45	11		15646	5	10.1002/er.6833	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107236543&doi=10.1002%2fer.6833&partnerID=40&md5=e5ba9ed15d7c7643ae79b41204fa9bae	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Ltd	0363907X
Bharadvaja A.; Kaur S.; Baluja K.L.	A study of electron scattering from O 3 and its isovalent molecules from 0.1 to 5 keV	2021	Pramana - Journal of Physics	95	4	167		2	10.1007/s12043-021-02202-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116792533&doi=10.1007%2fs12043-021-02202-0&partnerID=40&md5=59b65f2c5e72375903383e995d57da69	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3044289
Kharangarh P.R.; Ravindra N.M.; Rawal R.; Singh A.; Gupta V.	Graphene quantum dots decorated on spinel nickel cobaltite nanocomposites for boosting supercapacitor electrode material performance	2021	Journal of Alloys and Compounds	876		159990		48	10.1016/j.jallcom.2021.159990	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105265262&doi=10.1016%2fj.jallcom.2021.159990&partnerID=40&md5=2e2597a4ca6e136dc0e6f77b4cc4f790	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Ali N.; Sahare P.D.; Kachere A.R.; Kakade P.M.; Mandlik N.T.; Dhole S.D.	Luminescence and dosimetric characteristics of microcrystalline SrB4O7:Eu3+ synthesized by solid state diffusion method	2021	Journal of Radioanalytical and Nuclear Chemistry	330	3		1397	0	10.1007/s10967-021-07965-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116973380&doi=10.1007%2fs10967-021-07965-9&partnerID=40&md5=27090ab3048b1b04fe851bd08829d317	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media B.V.	2365731
Jain A.; Gupta D.N.	Improvement of electron beam quality in laser wakefield acceleration by a circularly-polarized laser pulse	2021	Plasma Physics and Controlled Fusion	63	7	75007		6	10.1088/1361-6587/abfd7d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107310218&doi=10.1088%2f1361-6587%2fabfd7d&partnerID=40&md5=25c7bd8b21a5ea8f1340b60fbd58de74	Department of Physics and Astrophysics, University of Delhi	IOP Publishing Ltd	7413335
Das D.; Sain R.	Polarized Λb baryon decay to pπ and a dilepton pair	2021	Physical Review D	104	1	13002		1	10.1103/PhysRevD.104.013002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110324541&doi=10.1103%2fPhysRevD.104.013002&partnerID=40&md5=1643ac06e5be87b64864d899bce632fc	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Ahmad T.; Jindal K.; Tomar M.; Jha P.K.; Gupta V.	Role of charge states and dopant site in governing electronic properties of Cr doped BiFeO3	2021	Materials Chemistry and Physics	263		124438		7	10.1016/j.matchemphys.2021.124438	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101662808&doi=10.1016%2fj.matchemphys.2021.124438&partnerID=40&md5=5700f0d30e6b27998d69d367da33dc22	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of b jet shapes in proton-proton collisions at √s = 5.02 TeV	2021	Journal of High Energy Physics	2021	5	54		5	10.1007/JHEP05(2021)054	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105744475&doi=10.1007%2fJHEP05%282021%29054&partnerID=40&md5=0379592a4a5583a2faf61d783e97cc42	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of prompt D0 and D¯0 meson azimuthal anisotropy and search for strong electric fields in PbPb collisions at s =5.02TeV	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	816		136253		13	10.1016/j.physletb.2021.136253	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106117663&doi=10.1016%2fj.physletb.2021.136253&partnerID=40&md5=8557d4ac77bb25b32ff5b421d919014a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Bhattacharjee P.; Choudhury D.; Das K.; Ghosh D.K.; Majumdar P.	Gamma-ray and synchrotron radiation from dark matter annihilations in ultra-faint dwarf galaxies	2021	Journal of Cosmology and Astroparticle Physics	2021	6	41		1	10.1088/1475-7516/2021/06/041	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110365007&doi=10.1088%2f1475-7516%2f2021%2f06%2f041&partnerID=40&md5=29987c8df751e5480696bf81fb7f232a	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	14757516
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton–proton collisions at √s=13Te	2021	European Physical Journal C	81	6	488		44	10.1140/epjc/s10052-021-09200-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107233320&doi=10.1140%2fepjc%2fs10052-021-09200-x&partnerID=40&md5=4448aad562d0101e6fbb45033170d511	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Sahgal V.; Bharadvaja A.; Baluja K.L.	Positron-induced scattering of acetone from 0.1 eV to 5 keV	2021	Journal of Physics B: Atomic, Molecular and Optical Physics	54	7	abea4a		4	10.1088/1361-6455/abea4a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105085939&doi=10.1088%2f1361-6455%2fabea4a&partnerID=40&md5=4d88696e76621f5330f4fdcb94ffed04	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9534075
Choudhary S.; Vashisht G.; Malik R.; Dong C.-L.; Chen C.-L.; Kandasami A.; Annapoorni S.	Photo generated charge transport studies of defects-induced shuttlecock-shaped ZnO/Ag hybrid nanostructures	2021	Nanotechnology	32	30	305708		2	10.1088/1361-6528/abf87c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106270789&doi=10.1088%2f1361-6528%2fabf87c&partnerID=40&md5=f620c6190b67624f8bd53e7bb584cfb1	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9574484
Soni B.; Makkar S.; Biswas S.	Effects of surface structure and defect behavior on the magnetic, electrical, and photocatalytic properties of Gd-doped CeO2 nanoparticles synthesized by a simple chemical process	2021	Materials Characterization	174		110990		19	10.1016/j.matchar.2021.110990	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102726128&doi=10.1016%2fj.matchar.2021.110990&partnerID=40&md5=58d19455a9038051d1a6209ecedcda0e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Inc.	10445803
Pandey I.; Chandra A.	Temperature-induced changes in polymer-based fractal patterns due to Ag metal aggregation	2021	Applied Physics A: Materials Science and Processing	127	5	369		1	10.1007/s00339-021-04524-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104827765&doi=10.1007%2fs00339-021-04524-7&partnerID=40&md5=af8654ad461064da49f0527c76031212	Department of Physics and Astrophysics, University of Delhi	Springer Science and Business Media Deutschland GmbH	9478396
Nautiyal V.; Munjal D.; P.Silotia	Spin orbit effect in a quantum dot confined in a Kratzer potential	2021	Journal of Magnetism and Magnetic Materials	528		167688		9	10.1016/j.jmmm.2020.167688	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100955634&doi=10.1016%2fj.jmmm.2020.167688&partnerID=40&md5=367e09ae4e66ee8e47176a7f202668e3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3048853
Pandey A.K.	Gravitational waves in neutrino plasma and NANOGrav signal	2021	European Physical Journal C	81	5	399		10	10.1140/epjc/s10052-021-09190-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105549525&doi=10.1140%2fepjc%2fs10052-021-09190-w&partnerID=40&md5=71ccd036acaab0c3fa2d6f0522d44825	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Sinha S.; Kumar S.; Arora S.K.; Sharma A.; Tomar M.; Wu H.-C.; Gupta V.	Enhanced interlayer coupling and efficient photodetection response of in-situ grown MoS2-WS2 van der Waals heterostructures	2021	Journal of Applied Physics	129	15	155304		8	10.1063/5.0040922	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104369022&doi=10.1063%2f5.0040922&partnerID=40&md5=6d87b23e02a563e37ee752b49c58b8fe	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	218979
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	First measurement of large area jet transverse momentum spectra in heavy-ion collisions	2021	Journal of High Energy Physics	2021	5	284		20	10.1007/JHEP05(2021)284	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107771526&doi=10.1007%2fJHEP05%282021%29284&partnerID=40&md5=8b381410675a95647251dd05d77bd2bd	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479

Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum to: Search for dark matter produced in association with a leptonically decaying Z boson in proton–proton collisions at s = 13 Te (The European Physical Journal C, (2021), 81, 1, (13), 10.1140/epjc/s10052-020-08739-5)	2021	European Physical Journal C	81	4	333		7	10.1140/epjc/s10052-021-08959-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104596135&doi=10.1140%2fepjc%2fs10052-021-08959-3&partnerID=40&md5=cff35ecfccfc579d5e772cdbb811c5cb	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at √s = 13 TeV	2021	Journal of High Energy Physics	2021	7	208		102	10.1007/JHEP07(2021)208	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112265818&doi=10.1007%2fJHEP07%282021%29208&partnerID=40&md5=b3b5768aa8f1523b58cc6129879ef261	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the CP-violating phase ϕs in the Bs 0→J/ψϕ(1020)→μ+μ−K+K− channel in proton-proton collisions at s=13TeV	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	816		136188		23	10.1016/j.physletb.2021.136188	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103247539&doi=10.1016%2fj.physletb.2021.136188&partnerID=40&md5=5d8ceb8718de2caf0dcd6d0c72696ebf	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sharma S.; Sharma A.; Gupta V.; Puri N.K.; Tomar M.	Comparison of Ferroelectric Photovoltaic Performance in BFO/BTO Multilayer Thin Film Structure Fabricated Using CSD & PLD Techniques	2021	Journal of Electronic Materials	50	4		1835	12	10.1007/s11664-021-08793-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101886459&doi=10.1007%2fs11664-021-08793-z&partnerID=40&md5=d9880dbe6c82ae2760cfed1f30cc5bcf	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3615235
Singh A.; Chatterjee R.; Gupta V.	Effect of stoichiometric addition of La on Bi0.5 Na0.5TiO3 and large strain in thus modified (Bi1-xLax)0.5 Na0.5TiO3 at room temperature and above	2021	Materials Chemistry and Physics	265		124483		3	10.1016/j.matchemphys.2021.124483	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102354918&doi=10.1016%2fj.matchemphys.2021.124483&partnerID=40&md5=173db25085ecf23f3ab4e4095d0256d8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Gupta S.; Paliwal A.; Gupta V.; Tomar M.	High figure of merit observed in SBN thin film based EO modulator employing WCSPR technique	2021	Optics and Laser Technology	137		106816		2	10.1016/j.optlastec.2020.106816	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098738992&doi=10.1016%2fj.optlastec.2020.106816&partnerID=40&md5=c069b6e5eace4f16c9ba16c184840611	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	303992
Sharma Y.; Murugavel S.	Direct evidence for the behaviour of single and bipolarons in chalcogenide glasses	2021	Journal of Non-Crystalline Solids	559		120650		5	10.1016/j.jnoncrysol.2021.120650	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100463571&doi=10.1016%2fj.jnoncrysol.2021.120650&partnerID=40&md5=14ff127eada0a060ec25f8e271d1569f	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	223093
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	4	109		5	10.1007/JHEP04(2021)109	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104645963&doi=10.1007%2fJHEP04%282021%29109&partnerID=40&md5=b83389e0707da34514eb99007b29a725	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Arora A.K.; Sahgal V.; Bharadvaja A.; Baluja K.L.	Positron-impact scattering off 1-1 C2H2F2 from 0.1 eV to 4 keV POSITRON-IMPACT SCATTERING off 1-1 C2H2 ... ARORA, SAHGAL, BHARADVAJA, and BALUJA	2021	Physical Review A	104	2	22816		4	10.1103/PhysRevA.104.022816	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113755129&doi=10.1103%2fPhysRevA.104.022816&partnerID=40&md5=7c2eb62e26334e3832ff26b4e6d85d41	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699926
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at √s=13Te	2021	European Physical Journal C	81	4	378		45	10.1140/epjc/s10052-021-09014-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105163177&doi=10.1140%2fepjc%2fs10052-021-09014-x&partnerID=40&md5=ab6049a0e6811f60b596ac3795ae1481	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044

Bangruwa N.; Srivastava M.; Mishra D.	Radiation-induced effect on spin-selective electron transfer through self-assembled monolayers of ds-dna	2021	Magnetochemistry	7	7	98		3	10.3390/magnetochemistry7070098	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111043705&doi=10.3390%2fmagnetochemistry7070098&partnerID=40&md5=d62f08552291df57299f76d43a2693d1	Department of Physics and Astrophysics, University of Delhi, ...	MDPI AG	23127481
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Performance of the CMS muon trigger system in proton-proton collisions at √s = 13 TeV	2021	Journal of Instrumentation	16	7	P07001		9	10.1088/1748-0221/16/07/P07001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112115583&doi=10.1088%2f1748-0221%2f16%2f07%2fP07001&partnerID=40&md5=69ca7f78ea761e4be6359b5d0cae7367	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	17480221
Premraj D.; Suresh K.; Pawar S.A.; Kabiraj L.; Prasad A.; Sujith R.I.	Dragon-king extreme events as precursors for catastrophic transition	2021	EPL	134	3	34006		15	10.1209/0295-5075/134/34006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111262728&doi=10.1209%2f0295-5075%2f134%2f34006&partnerID=40&md5=93b58f347e80fb4009d8d8134ff5bf52	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	2955075
Gopal K.; Gupta D.N.; Jain A.; Hur M.S.; Suk H.	Investigation of electron beam parameters in laser wakefield acceleration using skewed laser pulse and external magnetic field	2021	Current Applied Physics	25			82	6	10.1016/j.cap.2021.03.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102571263&doi=10.1016%2fj.cap.2021.03.003&partnerID=40&md5=0384a7e4bf8c8a318cbf7b460875d7e8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	15671739
Kumar S.; Kumar P.; Gupta R.; Verma V.	Electromagnetic interference shielding behaviors of in-situ polymerized ferrite-polyaniline nano-composites and ferrite-polyaniline deposited fabrics in X-band frequency range	2021	Journal of Alloys and Compounds	862		158331		40	10.1016/j.jallcom.2020.158331	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100179617&doi=10.1016%2fj.jallcom.2020.158331&partnerID=40&md5=1ce4500248219b5b6c1353780166236a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Paul Asir M.; Prasad A.; Kuznetsov N.V.; Shrimali M.D.	Chimera states in a class of hidden oscillatory networks	2021	Nonlinear Dynamics	104	2		1645	7	10.1007/s11071-021-06355-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103419326&doi=10.1007%2fs11071-021-06355-w&partnerID=40&md5=2f3ce01a63f69ce9b3eda876be1739f7	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media B.V.	0924090X
Goswami K.; Arora A.K.; Bharadvaja A.; Baluja K.L.	Electron impact partial ionization cross sections of methyl alcohol up to 5 keV using the mass spectrometry data	2021	European Physical Journal D	75	8	228		12	10.1140/epjd/s10053-021-00230-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113201825&doi=10.1140%2fepjd%2fs10053-021-00230-4&partnerID=40&md5=ee0c32e9520c679b75bdbeaf8d64eba2	Formerly at Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for top squarks in final states with two top quarks and several light-flavor jets in proton-proton collisions at s =13 TeV	2021	Physical Review D	104	3	32006		13	10.1103/PhysRevD.104.032006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114374184&doi=10.1103%2fPhysRevD.104.032006&partnerID=40&md5=d7671b177ef7356a78ce0bd07f1026d0	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Mohan J.R.; Medwal R.; Gupta S.; Gogia K.; Vas J.V.; Gupta R.; Deka A.; Rawat R.S.; Subramanian A.; Fukuma Y.	Nonstoichiometric FePt Nanoclusters for Heated Dot Magnetic Recording Media	2021	ACS Applied Nano Materials	4	7		7079	2	10.1021/acsanm.1c01085	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111519646&doi=10.1021%2facsanm.1c01085&partnerID=40&md5=4399a2147f6fb892f5b96c41c4f127b6	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	25740970
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at √s = 13 TeV	2021	Journal of High Energy Physics	2021	7	27		51	10.1007/JHEP07(2021)027	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112368599&doi=10.1007%2fJHEP07%282021%29027&partnerID=40&md5=0cf9cb1e38316cff3b998a3598d2024b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479

Khatun A.A.; Jafri H.H.; Punetha N.	Controlling chimera states in chaotic oscillator ensembles through linear augmentation	2021	Physical Review E	103	4	42202		0	10.1103/PhysRevE.103.042202	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104471496&doi=10.1103%2fPhysRevE.103.042202&partnerID=40&md5=b79457df6746ac974ea45cb6e8f8da5f	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700045
Jain G.; Jain C.; Saumya S.; Agrawal N.; Bhardwaj A.; Ranjan K.	Radiation hardness studies of thin and low bulk resistivity LGADs	2021	Semiconductor Science and Technology	36	6	65016		0	10.1088/1361-6641/abfb0f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107116258&doi=10.1088%2f1361-6641%2fabfb0f&partnerID=40&md5=5cb37fd6941465635abbe6ba35667b62	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	2681242
Vandana; Gupta R.; Tomar M.; Tandon R.P.; Gupta V.	Impact of TiO2 buffer layer on the ferroelectric photovoltaic response of CSD grown PZT thick films	2021	Applied Physics A: Materials Science and Processing	127	6	427		3	10.1007/s00339-021-04552-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106267225&doi=10.1007%2fs00339-021-04552-3&partnerID=40&md5=56ca42b056436f5dca28ab8d40cc5b30	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9478396
Semeniuk M.; Tandon R.; Gauvin R.; Tjong J.; Jaffer S.; Lu Z.-H.; Sain M.	Multifunctional nanolayered renewable carbon for electromagnetic interference and energy devices	2021	Materials Today Energy	20		100778		3	10.1016/j.mtener.2021.100778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106549939&doi=10.1016%2fj.mtener.2021.100778&partnerID=40&md5=102ad09d38a7b93da3551b2296b63580	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	24686069
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for long-lived particles using displaced jets in proton-proton collisions at s =13 TeV	2021	Physical Review D	104	1			31	10.1103/PhysRevD.104.012015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113198185&doi=10.1103%2fPhysRevD.104.012015&partnerID=40&md5=a0ba4ea9b0e623b9c17745c02d4363a0	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the Wγ Production Cross Section in Proton-Proton Collisions at s =13 TeV and Constraints on Effective Field Theory Coefficients	2021	Physical Review Letters	126	25	252002		12	10.1103/PhysRevLett.126.252002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108908811&doi=10.1103%2fPhysRevLett.126.252002&partnerID=40&md5=65aecb1146a9f3255bd200fae3edb746	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Kalkal S.; Mandal S.; Madhavan N.; Jhingan A.; Nath S.; Prasad E.; Sandal R.; Goyal S.; Saxena M.; Mohanto G.; Verma S.; Behera B.R.; Kumar S.; Datta U.; Sinha A.K.; Singh R.; Noor S.	Ground state and excited state multinucleon transfer channels in interactions of 28Si with 90,94Zr in near barrier region	2021	International Journal of Modern Physics E	30	6	2150053		2	10.1142/S0218301321500531	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109415664&doi=10.1142%2fS0218301321500531&partnerID=40&md5=17c4ae2ac4bd807137d8aa227fba3e74	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2183013
Kulagin V.V.; Kornienko V.N.; Cherepenin V.A.; Gupta D.N.; Suk H.	Generation of intense coherent electromagnetic radiation during the interaction of a multi-terawatt laser pulse with a nanowire target	2021	Quantum Electronics	51	4		323	8	10.1070/QEL17504	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104239097&doi=10.1070%2fQEL17504&partnerID=40&md5=833e09c55dded64a2bbbab30bfb9a33c	Department of Physics and Astrophysics, University of Delhi, ...	Turpion Ltd	10637818
Shandilya A.; Yadav R.S.; Gupta A.K.; Sreenivas K.	Temperature-dependent light upconversion and thermometric properties of Er3+/Yb3+-codoped SrMoO4 sintered ceramics	2021	Journal of Materials Science	56	22		12716	10	10.1007/s10853-021-06078-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105183699&doi=10.1007%2fs10853-021-06078-8&partnerID=40&md5=9aa10690a21dbb1383e760be8774ec98	Department of Physics and Astrophysics, University of Delhi, ...	Springer	222461

Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC	2021	Journal of Instrumentation	16	5	P05014		74	10.1088/1748-0221/16/05/P05014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107343515&doi=10.1088%2f1748-0221%2f16%2f05%2fP05014&partnerID=40&md5=baeb2802afe415b3544f3b5e9c2ebc4d	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	17480221
Jalan P.; Chand H.; Srianand R.	Constraining the ratio of median pixel optical depth profile around z ∼4 quasars using the longitudinal proximity effect	2021	Monthly Notices of the Royal Astronomical Society	505	1		689	1	10.1093/mnras/stab1303	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108175927&doi=10.1093%2fmnras%2fstab1303&partnerID=40&md5=fe6eae61412c4a755e7a64938a49e6b0	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Das D.; Das J.	CP violation with a GeV-scale Majorana neutrino in Λb → (Λc+, p+)π+μ-μ- decays	2021	Physical Review D	103	7	73001		3	10.1103/PhysRevD.103.073001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104588053&doi=10.1103%2fPhysRevD.103.073001&partnerID=40&md5=e24dbdbdb209f598251dbe93f171e8fc	Department of Physics and Astrophysics, University of Delhi	American Physical Society	24700010
Dastidar R.; Misra K.; Singh M.; Pastorello A.; Sahu D.K.; Wang X.; Gangopadhyay A.; Tomasella L.; Zhang J.; Bose S.; Mo J.; Elias-Rosa N.; Tartaglia L.; Yan S.; Kumar B.; Anupama G.C.; Pandey S.B.; Rui L.; Zhang T.; Terreran G.; Ochner P.; Huang F.	The optical properties of three Type II supernovae: 2014cx, 2014cy, and 2015cz	2021	Monthly Notices of the Royal Astronomical Society	504	1		1009	5	10.1093/mnras/stab831	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107831616&doi=10.1093%2fmnras%2fstab831&partnerID=40&md5=df60a99a63bd807837364a292296c0c2	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the Z boson differential production cross section using its invisible decay mode (Z → νν¯) in proton-proton collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	5	205		6	10.1007/JHEP05(2021)205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106904408&doi=10.1007%2fJHEP05%282021%29205&partnerID=40&md5=e500fa2b0568c0b824a29f8b24089594	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Mishra S.; Vivek M.; Chand H.; Joshi R.	Appearance versus disappearance of broad absorption line troughs in quasars	2021	Monthly Notices of the Royal Astronomical Society	504	3		3187	6	10.1093/mnras/stab782	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107899427&doi=10.1093%2fmnras%2fstab782&partnerID=40&md5=409068596a887e599bfd494c8bff406c	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Valiente-Dobón J.J.; Gottardo A.; ... ; Mandal S.; ...	Manifestation of the Berry phase in the atomic nucleus 213Pb	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	816		136183		5	10.1016/j.physletb.2021.136183	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101944841&doi=10.1016%2fj.physletb.2021.136183&partnerID=40&md5=83e29ac8bfe95f82fb21bf805a198283	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Shandilya A.; Yadav R.S.; Gupta A.K.; Sreenivas K.	Effects of Yb3+ ion doping on lattice distortion, optical absorption and light upconversion in Er3+/Yb3+ co-doped SrMoO4 ceramics	2021	Materials Chemistry and Physics	264		124441		18	10.1016/j.matchemphys.2021.124441	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101991075&doi=10.1016%2fj.matchemphys.2021.124441&partnerID=40&md5=2ceb88eaffa5721cc1477ed07ff6ccae	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at √s=13Te	2021	European Physical Journal C	81	8	688		11	10.1140/epjc/s10052-021-09348-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112669457&doi=10.1140%2fepjc%2fs10052-021-09348-6&partnerID=40&md5=e3b5f9ac2e3041408d7ae9a904e2fc84	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044

Tripathi A.K.	Ionic liquid–based solid electrolytes (ionogels) for application in rechargeable lithium battery	2021	Materials Today Energy	20		100643		50	10.1016/j.mtener.2021.100643	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100783864&doi=10.1016%2fj.mtener.2021.100643&partnerID=40&md5=e8614bf479a7bc020d23968b56d027fb	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	24686069
Kumar S.; Luthra V.	Raman and infrared spectroscopic investigation of the effects of yttrium and tin co-doping in barium titanate	2021	Journal of Physics and Chemistry of Solids	154		110079		16	10.1016/j.jpcs.2021.110079	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103688503&doi=10.1016%2fj.jpcs.2021.110079&partnerID=40&md5=f1923f4016884468dc4d08e37169b4ee	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697
Nautiyal V.V.; Devi S.; Tyagi A.; Vidhani B.; Maan A.; Prasad V.	Orientation and Alignment dynamics of polar molecule driven by shaped laser pulses	2021	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	256		119663		5	10.1016/j.saa.2021.119663	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103695278&doi=10.1016%2fj.saa.2021.119663&partnerID=40&md5=f1186cc3bb4a080632f5371e077cf097	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13861425
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of the differential cross sections of the production of Z + jets and γ + jets and of Z boson emission collinear with a jet in pp collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	5	285		4	10.1007/JHEP05(2021)285	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107340228&doi=10.1007%2fJHEP05%282021%29285&partnerID=40&md5=6fc39775e400a65153065e140d45491b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Saxena S.; Bagchi S.; Tayyab M.; Chakera J.A.; Kumar S.; Gupta D.N.	Enhanced Broadband Terahertz Radiation from Two-Colour Laser Pulse Interaction with Thin Dielectric Solid Target in Air	2021	Journal of Infrared, Millimeter, and Terahertz Waves	42	7		747	5	10.1007/s10762-021-00801-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109319779&doi=10.1007%2fs10762-021-00801-x&partnerID=40&md5=582324c68ef0e6db2bbb8d0cfd0c92ca	Department of Physics and Astrophysics, University of Delhi, ...	Springer	18666892
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	In-medium modification of dijets in PbPb collisions at √sNN = 5.02 TeV	2021	Journal of High Energy Physics	2021	5	116		8	10.1007/JHEP05(2021)116	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109363816&doi=10.1007%2fJHEP05%282021%29116&partnerID=40&md5=bed3b547a45b738e27ffbe1d2a309450	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Samorajczyk-Pyśk J.; Droste Ch.; Próchniak L.; Srebrny J.; Rohoziński S.G.; Andrzejewski J.; Dutt S.; Gawlik A.; Hadyńska-Klęk K.; Janiak Ł.; Klintefjord M.; Kowalczyk M.; Kowalska J.; Kumar R.; Marchlewski T.; Napiorkowski P.J.; Perkowski J.; Piątek W.; Piersa-Siłkowska M.; Rogiński T.; Saxena M.; Stolarz A.; Tucholski A.	Low-spin levels in Sm 140: Five 0+ states and the question of softness against nonaxial deformation	2021	Physical Review C	104	2	24322		0	10.1103/PhysRevC.104.024322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113594179&doi=10.1103%2fPhysRevC.104.024322&partnerID=40&md5=ea72efca9a2b62bdeef5753258b59b0b	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Seasonal variation of multiple-muon cosmic ray air showers observed in the NOvA detector on the surface	2021	Physical Review D	104	1	12014		2	10.1103/PhysRevD.104.012014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111890005&doi=10.1103%2fPhysRevD.104.012014&partnerID=40&md5=7487a08f834f46b902951e0e0db7f996	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Choudhary S.; Annapoorni S.; Malik R.	Facile strategy to synthesize donut-shaped α-Fe2O3 nanoparticles for enhanced LPG detection	2021	Sensors and Actuators, B: Chemical	334		129668		14	10.1016/j.snb.2021.129668	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101351546&doi=10.1016%2fj.snb.2021.129668&partnerID=40&md5=f74d02d91ceba340e361ef96f3ca7d12	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9254005

Chakraborty S.; Sharma H.P.; Tiwary S.S.; Majumder C.; Gupta A.K.; Kumar A.; Banerjee P.; Ganguly S.; Kumar S.; Singh R.P.; Muralithar S.	Octupole correlations in 1 2 7 i	2021	International Journal of Modern Physics E	30	5	2150030		1	10.1142/S0218301321500300	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106150218&doi=10.1142%2fS0218301321500300&partnerID=40&md5=5d5dc62fa549434e4b0031abd3bc30fc	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2183013
Vyas M.K.; Chandra A.	Magneto-dielectric and magneto-conducting fillers based polymer composites: Effect of functionalization, coating and dispersion process on electromagnetic shielding properties	2021	Journal of Applied Polymer Science	138	25	50602		1	10.1002/app.50602	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100872901&doi=10.1002%2fapp.50602&partnerID=40&md5=bbf2cf41dcc1baf940b8b78083ae9d49	Department of Physics and Astrophysics, University of Delhi	John Wiley and Sons Inc	218995
Kria M.; Varsha; Farkous M.; Prasad V.; Dujardin F.; Pérez L.M.; Laroze D.; Feddi E.	Wetting layer and size effects on the nonlinear optical properties of semi oblate and prolate Si0.7Ge0.3/Si quantum dots	2021	Current Applied Physics	25			1	13	10.1016/j.cap.2021.02.004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101766099&doi=10.1016%2fj.cap.2021.02.004&partnerID=40&md5=812f5cad0108ef9d861be0753fda0771	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	15671739
Kumar P.; Kumar S.; Kumar A.; Verma V.	Lithium-doped SnO2 porous ceramics-based hydroelectric cells: a novel green energy source for sustainable power generation	2021	Journal of Materials Science: Materials in Electronics	32	11		14833	10	10.1007/s10854-021-06037-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105514732&doi=10.1007%2fs10854-021-06037-8&partnerID=40&md5=eec6ae063049b4d62b4b61daee22fd5e	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum to: Measurement of single-diffractive dijet production in proton–proton collisions at s = 8 Te with the CMS and TOTEM experiments (The European Physical Journal C, (2020), 80, 12, (1164), 10.1140/epjc/s10052-020-08562-y)	2021	European Physical Journal C	81	5	383		1	10.1140/epjc/s10052-021-08863-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105053117&doi=10.1140%2fepjc%2fs10052-021-08863-w&partnerID=40&md5=5e7da3e5a3f24391dfdb49db3ff57722	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	MUSiC: a model-unspecific search for new physics in proton–proton collisions at √s=13TeV	2021	European Physical Journal C	81	7	629		15	10.1140/epjc/s10052-021-09236-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110920901&doi=10.1140%2fepjc%2fs10052-021-09236-z&partnerID=40&md5=931cddf1a82cb24339c00df3108257e3	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Sur S.; Dutta A.; Chothe H.R.	Mimetic-metric-torsion with induced axial mode and phantom barrier crossing	2021	European Physical Journal C	81	4	306		3	10.1140/epjc/s10052-021-09101-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104274998&doi=10.1140%2fepjc%2fs10052-021-09101-z&partnerID=40&md5=8ab85c62639a99ae63ef950f948cb0ee	Department of Physics and Astrophysics, University of Delhi	Springer Science and Business Media Deutschland GmbH	14346044
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Angular analysis of the decay B+ → K∗(892)+ μ + μ − in proton-proton collisions at √s = 8 TeV	2021	Journal of High Energy Physics	2021	4	124		12	10.1007/JHEP04(2021)124	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104793091&doi=10.1007%2fJHEP04%282021%29124&partnerID=40&md5=4f3e44414c2b3eaa6025c12c4dd1d0ec	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Malik G.P.; Varma V.S.	A New Microscopic Approach To Deal with the Temperature- and Applied Magnetic Field–Dependent Critical Current Densities of Superconductors	2021	Journal of Superconductivity and Novel Magnetism	34	5		1551	2	10.1007/s10948-021-05852-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103899819&doi=10.1007%2fs10948-021-05852-8&partnerID=40&md5=15e8dcd10f5f473b02e81af09ec4a2bb	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571939
Vandana; Gupta R.; Tomar M.; Tandon R.P.; Gupta V.	Enhancement in the Dielectric Property of Thick Lead Zirconium Titanate Films under UV Illumination	2021	Physica Status Solidi (A) Applications and Materials Science	218	15	2000728		2	10.1002/pssa.202000728	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107016580&doi=10.1002%2fpssa.202000728&partnerID=40&md5=9c1b093594a8a59261e52acb5dbc2db1	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	18626300

Vashisht G.; Hussain Z.; Sulania I.; Ojha S.; Reddy V.R.; Annapoorni S.	Domain state modulation by interfacial diffusion in FePt/FeCo thin films: Experimental approach with micromagnetic modelling	2021	Journal of Physics Condensed Matter	33	33	335805		2	10.1088/1361-648X/ac09a5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109932432&doi=10.1088%2f1361-648X%2fac09a5&partnerID=40&md5=4db6f904d25a591e6bb398f6764975e8	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9538984
Yadav N.; Yadav N.; Hashmi S.A.	High-Energy-Density Carbon Supercapacitors Incorporating a Plastic-Crystal-Based Nonaqueous Redox-Active Gel Polymer Electrolyte	2021	ACS Applied Energy Materials	4	7		6635	25	10.1021/acsaem.1c00703	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111106499&doi=10.1021%2facsaem.1c00703&partnerID=40&md5=f31224e9bbf83e8aff8b3fdc5ef54ef0	Department of Physics and Astrophysics, University of Delhi	American Chemical Society	25740962
Bhaskar A.; Das D.; Mandal T.; Mitra S.; Neeraj C.	Precise limits on the charge- 2 /3 U1 vector leptoquark	2021	Physical Review D	104	3	35016		21	10.1103/PhysRevD.104.035016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113294383&doi=10.1103%2fPhysRevD.104.035016&partnerID=40&md5=16c91b65495af6c592a6ee9f03a0607e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Dimri M.; Dawra D.; Singh A.K.; Jha A.K.S.; Pandey R.K.; Sharma R.; Mohan M.	Electron impact excitation of Na-like Cu XIX using the Breit–Pauli R-matrix method	2021	European Physical Journal D	75	5	157		1	10.1140/epjd/s10053-021-00157-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106267390&doi=10.1140%2fepjd%2fs10053-021-00157-w&partnerID=40&md5=5448860b1f5edf55b2c0175979bdf7ca	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Study of Drell-Yan dimuon production in proton-lead collisions at √sNN = 8.16 TeV	2021	Journal of High Energy Physics	2021	5	182		5	10.1007/JHEP05(2021)182	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107870935&doi=10.1007%2fJHEP05%282021%29182&partnerID=40&md5=a542a20030304663c4dab84073580d0e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Pandey R.K.; Mishra P.; Pandey A.; Dutta S.; Arora A.; Rath S.	Silicon-ion implantation induced doping and nanoporosity in molecular beam epitaxy grown GaSb epitaxial films	2021	Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films	39	4	43413		3	10.1116/6.0000895	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107521186&doi=10.1116%2f6.0000895&partnerID=40&md5=717cda74eef2998102be591d823a0a39	Department of Physics and Astrophysics, University of Delhi, ...	AVS Science and Technology Society	7342101
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Hard color-singlet exchange in dijet events in proton-proton collisions at s =13 TeV	2021	Physical Review D	104	3	32009		8	10.1103/PhysRevD.104.032009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114162630&doi=10.1103%2fPhysRevD.104.032009&partnerID=40&md5=1db8b8d69b7d02aa1c1ad10e70afb7e1	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sirunyan, A.M.; Tumasyan, A.; …; Bhardwaj, A.; Choudhary, B.C.; …Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	4	123		52	10.1007/JHEP04(2021)123	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104598616&doi=10.1007%2fJHEP04%282021%29123&partnerID=40&md5=4fae0a7956d1348e3fab02f4c2fa8bf2	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Chaudhary V.; Royal A.; Chavali M.; Yadav S.K.	Advancements in research and development to combat COVID-19 using nanotechnology	2021	Nanotechnology for Environmental Engineering	6	1	8		59	10.1007/s41204-021-00102-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099913682&doi=10.1007%2fs41204-021-00102-7&partnerID=40&md5=95d32239652cdd60f04c08ccfc9fe5c8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	23656379
Bhowmik P.C.; Yadav F.; Richa; Singh N.; Goyal A.; Mohan M.	Effect of plasma environment on spectral and structural properties of H-like C, N and O ions	2021	Journal of Electron Spectroscopy and Related Phenomena	251		147107		2	10.1016/j.elspec.2021.147107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111615714&doi=10.1016%2fj.elspec.2021.147107&partnerID=40&md5=c32628cdd82e7cb46d326f19a3685503	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3682048

Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton–proton collisions at √s=13TeV	2021	European Physical Journal C	81	8	723		19	10.1140/epjc/s10052-021-09472-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112463913&doi=10.1140%2fepjc%2fs10052-021-09472-3&partnerID=40&md5=9b49936856286aa6470c8e50411065f8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Varsha; Kria M.; El Hamdaoui J.; Pérez L.M.; Prasad V.; El-Yadri M.; Laroze D.; Feddi E.M.	Quantum confined stark effect on the linear and nonlinear optical properties of sige/si semi oblate and prolate quantum dots grown in si wetting layer	2021	Nanomaterials	11	6	1513		12	10.3390/nano11061513	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107330001&doi=10.3390%2fnano11061513&partnerID=40&md5=0d730d9f06a9e7f1b3799c7e2b101f51	Department of Physics and Astrophysics, University of Delhi, ...	MDPI AG	20794991
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Observation of a New Excited Beauty Strange Baryon Decaying to Ξb- π+π-	2021	Physical Review Letters	126	25	252003		23	10.1103/PhysRevLett.126.252003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108915377&doi=10.1103%2fPhysRevLett.126.252003&partnerID=40&md5=a891ff0d3d10b7d72b85497f2d308c21	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Choudhury D.; Deka K.; Kumar N.	Looking for a vectorlike B quark at the LHC using jet substructure	2021	Physical Review D	104	3	35004		9	10.1103/PhysRevD.104.035004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112374848&doi=10.1103%2fPhysRevD.104.035004&partnerID=40&md5=be5aac83fc64594b6caf432b53fc0a5e	Department of Physics and Astrophysics, University of Delhi	American Physical Society	24700010
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Development and validation of HERWIG 7 tunes from CMS underlying-event measurements	2021	European Physical Journal C	81	4	312		11	10.1140/epjc/s10052-021-08949-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104366975&doi=10.1140%2fepjc%2fs10052-021-08949-5&partnerID=40&md5=fb946ed0183b5705881f2e96e6f8421f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Prasad J.; Singh A.K.; Tomar M.; Gupta V.; Singh K.	Hydrothermal synthesis of micro-flower like morphology aluminum-doped MoS2/rGO nanohybrids for high efficient electromagnetic wave shielding materials	2021	Ceramics International	47	11		15648	14	10.1016/j.ceramint.2021.02.135	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101376442&doi=10.1016%2fj.ceramint.2021.02.135&partnerID=40&md5=2948377c7dc1205120cc651456c87227	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2728842
Salazar S.J.C.; Laguna H.G.; Dahiya B.; Prasad V.; Sagar R.P.	Shannon information entropy sum of the confined hydrogenic atom under the influence of an electric field	2021	European Physical Journal D	75	4	127		17	10.1140/epjd/s10053-021-00143-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104395316&doi=10.1140%2fepjd%2fs10053-021-00143-2&partnerID=40&md5=7e72f7aec28afc5e403e1717a657eb4a	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Khurana S.; Negi S.; Chandra A.	Effect of surface modification of dispersoid on hybrid polymer electrolyte	2021	Polymer Testing	96		107118		8	10.1016/j.polymertesting.2021.107118	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101440894&doi=10.1016%2fj.polymertesting.2021.107118&partnerID=40&md5=de80b8bf41af300429c2f6a68faf6482	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	1429418
Gupta A.; Kumar S.; Jindal K.; Sharma A.; Tomar M.	Enhanced Low Temperature Thermoelectric Properties by Nano-Inclusion of 2D MoS2 with Fe:ZnO Thin Films	2021	Journal of Electronic Materials	50	8		4567	2	10.1007/s11664-021-08979-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106444598&doi=10.1007%2fs11664-021-08979-5&partnerID=40&md5=3a2b0a9466244d7130889f4420fd1dba	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3615235
Singh V.; Behera B.R.; Kaur M.; Jhingan A.; Kaur R.; Sugathan P.; Siwal D.; Goyal S.; Singh K.P.; Pal S.; Saxena A.; Kailas S.	Measurement of fission excitation function for 19F +194, 196, 198Pt reactions	2021	Journal of Physics G: Nuclear and Particle Physics	48	7	75104		5	10.1088/1361-6471/abe8cd	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107610544&doi=10.1088%2f1361-6471%2fabe8cd&partnerID=40&md5=3039db3f7ca636cb307f6f219a8cec3c	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9543899

Kumar S.; Sinha N.; Goel S.; Kumar B.	Trypan blue stained KAP crystal: A comparative study on morphological, structural, optical, di-/piezo-electric and mechanical properties	2021	Chinese Journal of Physics	72			655	5	10.1016/j.cjph.2021.02.002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108417019&doi=10.1016%2fj.cjph.2021.02.002&partnerID=40&md5=e3a47fc366b952673a4e632d89653ff5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	5779073
Lochab A.; Saxena M.; Jindal K.; Tomar M.; Gupta V.; Saxena R.	Thiol-functionalized multiwall carbon nanotubes for electrochemical sensing of thallium	2021	Materials Chemistry and Physics	259		124068		7	10.1016/j.matchemphys.2020.124068	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096856465&doi=10.1016%2fj.matchemphys.2020.124068&partnerID=40&md5=3e5cedbb944973d152b3503d6b255558	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Kumar K.; Prasad V.	Entropic measures of an atom confined in modified Hulthen potential	2021	Results in Physics	21		103796		13	10.1016/j.rinp.2020.103796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099636959&doi=10.1016%2fj.rinp.2020.103796&partnerID=40&md5=58174a1eb7e55544f5c8cd0108989b7f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	22113797
Kumar S.; Verma V.; Walia R.	Magnetization and thickness dependent microwave attenuation behaviour of Ferrite-PANI composites and embedded composite-fabrics prepared by in situ polymerization	2021	AIP Advances	11	1	15106		12	10.1063/9.0000022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099180280&doi=10.1063%2f9.0000022&partnerID=40&md5=f5147e9b96444d232a3e582e9fdc43a8	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	21583226
Kumar R.; Sinha N.; Kumar B.	Influence of xylenol orange dye on structural, vibrational, thermal and luminescence properties of TGS crystals	2021	Journal of Materials Science: Materials in Electronics	32	2		2486	4	10.1007/s10854-020-05016-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098529400&doi=10.1007%2fs10854-020-05016-9&partnerID=40&md5=6e7aef97bf3004f3e72c32a7d6d82be8	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at √s = 13 TeV	2021	Journal of High Energy Physics	2021	3	3		30	10.1007/JHEP03(2021)003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103348664&doi=10.1007%2fJHEP03%282021%29003&partnerID=40&md5=b4921eb9ba74d6988c96f6ab0b5b34f5	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Das S.; Kanbur S.M.; Smolec R.; Bhardwaj A.; Singh H.P.; Rejkuba M.	A theoretical framework for BL Her stars-I. Effect of metallicity and convection parameters on period-luminosity and period-radius relations	2021	Monthly Notices of the Royal Astronomical Society	501	1		875	6	10.1093/mnras/staa3694	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100426966&doi=10.1093%2fmnras%2fstaa3694&partnerID=40&md5=49f971fe0c3261f26615536618604d1a	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	3	11		18	10.1007/JHEP03(2021)011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102170898&doi=10.1007%2fJHEP03%282021%29011&partnerID=40&md5=9c6fb879a51e2b5c5a5e4ed42bd5972b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Bharadwaj H.; Goyal A.	Effective field theory approach to lepto-philic self-conjugate dark matter	2021	Chinese Physics C	45	2	23114		2	10.1088/1674-1137/abce50	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100814404&doi=10.1088%2f1674-1137%2fabce50&partnerID=40&md5=79e551635cdb52ee1841c8afc367c835	Department of Physics and Astrophysics, University of Delhi	IOP Publishing Ltd	16741137
Negi S.	Photo driven ion transport and pumping through synthetic nanochannels	2021	Materials Today Communications	26		102127		2	10.1016/j.mtcomm.2021.102127	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101401311&doi=10.1016%2fj.mtcomm.2021.102127&partnerID=40&md5=25c7e573d51e7c629964d1c51faf2d10	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	23524928

Sinha S.; Kumar S.; Arora S.K.; Jha S.N.; Kumar Y.; Gupta V.; Tomar M.	Study of band alignment at MoS2/SiO2interfaces grown by pulsed laser deposition method	2021	Journal of Applied Physics	129	11	115303		2	10.1063/5.0039463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102871303&doi=10.1063%2f5.0039463&partnerID=40&md5=f8d5cea47668459bd3a46fe52ac9430d	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	218979
Tyagi N.; Yadav H.; Hussain A.; Kumar B.	Development of new L- Serine Squarate single crystal: Growth, structure, Hirshfeld surface analysis with enrichment ratio of atomic contacts	2021	Journal of Molecular Structure	1224		129190		12	10.1016/j.molstruc.2020.129190	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090326910&doi=10.1016%2fj.molstruc.2020.129190&partnerID=40&md5=a626bfb7e5ced97d2321a2f496f3612e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	222860
Dixit S.; Nag Chowdhury S.; Prasad A.; Ghosh D.; Shrimali M.D.	Emergent rhythms in coupled nonlinear oscillators due to dynamic interactions	2021	Chaos	31	1	11105		17	10.1063/5.0039879	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099802446&doi=10.1063%2f5.0039879&partnerID=40&md5=ef5bfe121f7b91bd2d6a796a16c9faf7	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	10541500
Sadhukhan S.; Singh M.P.	Neutrino floor in leptophilic U (1) models: Modification in U (1)Lμ-Lτ	2021	Physical Review D	103	1	15015		8	10.1103/PhysRevD.103.015015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099302879&doi=10.1103%2fPhysRevD.103.015015&partnerID=40&md5=2930fafbb2267286d371d8fa7ab2b3ae	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Gupta S.; Sharma S.; Ahmad T.; Kaushik A.S.; Jha P.K.; Gupta V.; Tomar M.	Demonstration of efficient SBN thin film based miniaturized Mach Zehnder EO modulator	2021	Materials Chemistry and Physics	262		124300		1	10.1016/j.matchemphys.2021.124300	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100047755&doi=10.1016%2fj.matchemphys.2021.124300&partnerID=40&md5=04d3bbfd66a08d5949b34bb310c95052	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Singh V.; Rath S.	Improved morphology and excitonic emission of 2D MoS2 by incorporating mechanical grinding in the liquid phase exfoliation synthesis process	2021	Physica E: Low-Dimensional Systems and Nanostructures	128		114617		5	10.1016/j.physe.2020.114617	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099377077&doi=10.1016%2fj.physe.2020.114617&partnerID=40&md5=1fb874df944008a7c526ebb6325822b6	Department of Physics and Astrophysics, University of Delhi	Elsevier B.V.	13869477
Raval B.; Sahare P.D.; Mahapatra S.K.; Banerjee I.	Enhanced capacitive behaviour of graphene nanoplatelets embedded epoxy nanocomposite	2021	Journal of Materials Science: Materials in Electronics	32	4		4034	2	10.1007/s10854-020-05145-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098749916&doi=10.1007%2fs10854-020-05145-1&partnerID=40&md5=37309d7417aded0920d4085f0e1c2caa	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522
Chauhan L.; Kumar S.; Sreenivas K.; Shukla A.K.	Variable range hopping and modulus relaxation in NiFe2O4 ceramics	2021	Materials Chemistry and Physics	259		124135		13	10.1016/j.matchemphys.2020.124135	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098575675&doi=10.1016%2fj.matchemphys.2020.124135&partnerID=40&md5=cd2dbae129ff40c208f7ce534c62aa9b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Sharma S.; Paliwal A.; Bassi M.; Tomar M.; Gupta V.; Gulati S.	Investigation of Adulteration in Milk using Surface Plasmon Resonance	2021	ECS Journal of Solid State Science and Technology	10	9	91004		4	10.1149/2162-8777/ac1f71	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115263808&doi=10.1149%2f2162-8777%2fac1f71&partnerID=40&md5=ab9800119559205b7628e8f7438d0088	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	21628769
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	3	257		41	10.1007/JHEP03(2021)257	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104250522&doi=10.1007%2fJHEP03%282021%29257&partnerID=40&md5=ca1d30519547a83bff7b34a1d0f2d287	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479

Jhingan A.; Saneesh N.; Kumar M.; Mahajan R.; Thakur M.; Kaur G.; Kapoor K.; Kumar N.; Shareef M.; Dubey R.; Appannababu S.; Prasad E.; Singh H.; Golda K.S.; Ahuja R.; Behera B.R.; Sugathan P.	Development of a time of flight spectrometer based on position sensitive multi-wire proportional counters for fission fragment mass distribution studies	2021	Review of Scientific Instruments	92	3	33309		2	10.1063/5.0029603	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103471645&doi=10.1063%2f5.0029603&partnerID=40&md5=be6e2983162ffbdb9b5c3aa2d49a7c77	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	346748
Kumar V.; Bhogra A.; Bala M.; Haw S.C.; Chen C.L.; Dong C.L.; Asokan K.; Annapoorni S.	Origin of intense blue-green emission in SrTi O3 thin films with implanted nitrogen ions: An investigation by synchrotron-based experimental techniques	2021	Physical Review B	103	2	24104		7	10.1103/PhysRevB.103.024104	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099319949&doi=10.1103%2fPhysRevB.103.024104&partnerID=40&md5=9526328dd43f435f24a9309353a50c2b	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699950
Gupta G.; Verma S.; Nagarajan R.; Rath S.	Microstructural and bandgap investigations of wurtzite-phase ZnMgO nanopowders synthesized by ball-milling	2021	Physica B: Condensed Matter	604		412735		6	10.1016/j.physb.2020.412735	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097770669&doi=10.1016%2fj.physb.2020.412735&partnerID=40&md5=87e4a3e71070c6dc66bd9e7b71397386	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9214526
Jagannathan S.; Malik S.; Jain D.; Seshadri T.R.	Impact of magnetic field on the gas mass fraction of galaxy clusters	2021	New Astronomy	84		101531		2	10.1016/j.newast.2020.101531	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093695627&doi=10.1016%2fj.newast.2020.101531&partnerID=40&md5=874f6a8131562a362e492b25780e064e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13841076
Singh V.; Late D.J.; Goyal A.; Rath S.	Raman spectroscopic investigations of the selenization of MoO3 in the chemical vapor deposition process to form two-dimensional MoSe2	2021	Applied Surface Science	538		147946		13	10.1016/j.apsusc.2020.147946	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091592721&doi=10.1016%2fj.apsusc.2020.147946&partnerID=40&md5=fb6409894d1e40f924659886943176db	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1694332
Kumar S.; Walia R.; Kumar A.; Verma V.	Hybrid structure of MWCNT/ferrite and GO incorporated composites for microwave shielding properties and their practical applications	2021	RSC Advances	11	17		9775	13	10.1039/d1ra01129d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102774732&doi=10.1039%2fd1ra01129d&partnerID=40&md5=d7d755284272179c46df88c74634b031	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20462069
Srivastava P.; Naja M.	Characteristics of carbonaceous aerosols derived from long-term high-resolution measurements at a high-altitude site in the central Himalayas: radiative forcing estimates and role of meteorology and biomass burning	2021	Environmental Science and Pollution Research	28	12		14654	18	10.1007/s11356-020-11579-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096403629&doi=10.1007%2fs11356-020-11579-1&partnerID=40&md5=a8eb876620a972997aea9942fecd7c36	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9441344
Kumar N.; Sadhukhan S.	Emergent 2HDM in the Low-Skiba-Smith little Higgs model: Musings from flavor and electroweak physics	2021	Physical Review D	103	5	55011		1	10.1103/PhysRevD.103.055011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103166540&doi=10.1103%2fPhysRevD.103.055011&partnerID=40&md5=a1d5969ac15f0303eee5e5207c2a03b8	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Yogesh Kumar; Sethy P.K.; Singh S.S.	A Simple Model Approach to Dilepton Production Rate in Relativistic Heavy Ion Collisions	2021	Physics of Particles and Nuclei Letters	18	2		160	1	10.1134/S1547477121020096	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104266743&doi=10.1134%2fS1547477121020096&partnerID=40&md5=e252a48c4aceb48d984d8d28d31fdb4f	Department of Physics and Astrophysics, University of Delhi, ...	Pleiades journals	15474771
Kumar S.; Sharma A.; Tomar M.; Gupta V.	Realization of low-power and high mobility thin film transistors based on MoS2 layers grown by PLD technique	2021	Materials Science and Engineering: B	266		115047		8	10.1016/j.mseb.2021.115047	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099502033&doi=10.1016%2fj.mseb.2021.115047&partnerID=40&md5=dddfb2fcc5a5e96bfa438f8283a8492d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9215107

Singh A.; Gupta V.	Study of AC conductivity and conduction mechanism in BNT-BKT-KNN ternary system	2021	Ferroelectrics	573	1		195	0	10.1080/00150193.2021.1890476	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103895457&doi=10.1080%2f00150193.2021.1890476&partnerID=40&md5=eefffb23acbdf756157121cbc88927a5	Department of Physics and Astrophysics, University of Delhi	Bellwether Publishing, Ltd.	150193
Choudhury D.; Maharana S.; Sahdev V.; Sachdeva D.	Dark matter, muon anomalous magnetic moment, and the XENON1T excess	2021	Physical Review D	103	1	15006		13	10.1103/PhysRevD.103.015006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099291161&doi=10.1103%2fPhysRevD.103.015006&partnerID=40&md5=8869afa35fcdd875b5a12659d04757d8	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Singh A.; Chatterjee R.; Gupta V.	Proposing a phase diagram for BNT-BKT-KNN and finding a new MPB and large strain region in the system	2021	Ferroelectrics	577	1		161	1	10.1080/00150193.2021.1916359	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109071635&doi=10.1080%2f00150193.2021.1916359&partnerID=40&md5=daf73665be02cb66ac71da7c9c1b2751	Department of Physics and Astrophysics, University of Delhi, ...	Bellwether Publishing, Ltd.	150193
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for the lepton flavor violating decay τ → 3μ in proton-proton collisions at √s = 13 TeV	2021	Journal of High Energy Physics	2021	1	163		6	10.1007/JHEP01(2021)163	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100246982&doi=10.1007%2fJHEP01%282021%29163&partnerID=40&md5=7957f9c1b50edd8cb5077e752bf7119a	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Mandlik N.T.; Sahare P.D.; Kulkarni M.S.; Rawat N.S.; Gaikwad N.P.; Dhole S.D.	Study of optically stimulated luminescence and calculation of trapping parameters of K2Ca2(SO4)3:Eu nanophosphor	2021	Applied Radiation and Isotopes	167		109388		6	10.1016/j.apradiso.2020.109388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091936267&doi=10.1016%2fj.apradiso.2020.109388&partnerID=40&md5=f5de1d257e18e060e8dd08d672e0d561	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9698043
Gupta D.N.; Jain A.	Terahertz radiation generation by a super-Gaussian laser pulse in a magnetized plasma	2021	Optik	227		165824		14	10.1016/j.ijleo.2020.165824	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097197593&doi=10.1016%2fj.ijleo.2020.165824&partnerID=40&md5=06016b5176cec1a8c5dffa0641e4797f	Department of Physics and Astrophysics, University of Delhi	Elsevier GmbH	304026
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of p p → Z Z production cross sections and constraints on anomalous triple gauge couplings at √s=13TeV	2021	European Physical Journal C	81	3	200		24	10.1140/epjc/s10052-020-08817-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104267607&doi=10.1140%2fepjc%2fs10052-020-08817-8&partnerID=40&md5=fb4dff1b0c4629059c4adbe1fed3f1ae	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Kundu R.; Navarrete C.; Fernández-Trincado J.G.; Minniti D.; Singh H.P.; Sbordone L.; Piatti A.E.; Reylé C.	The search for extratidal star candidates around Galactic globular clusters NGC 2808, NGC 6266, and NGC 6397 with Gaia DR2 astrometry	2021	Astronomy and Astrophysics	645		A116		9	10.1051/0004-6361/202038720	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100302293&doi=10.1051%2f0004-6361%2f202038720&partnerID=40&md5=89d102978225731e5df5ff2d3a917b07	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Sharma S.; Gupta S.; Gupta R.; Borkar H.; Kumar A.; Gupta V.; Tomar M.	Bipolar Resistive Switching in Magnetostrictive Ni/PZT/Pt Structure for Non-Volatile Memory Applications	2021	ECS Journal of Solid State Science and Technology	10	7	71001		1	10.1149/2162-8777/ac0cc7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109448769&doi=10.1149%2f2162-8777%2fac0cc7&partnerID=40&md5=8ed5757766722316050a7415ef3a22d9	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	21628769
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for top squark pair production using dilepton final states in pp collision data collected at √s=13TeV	2021	European Physical Journal C	81	1	3		28	10.1140/epjc/s10052-020-08701-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098713016&doi=10.1140%2fepjc%2fs10052-020-08701-5&partnerID=40&md5=7d3aa17f46deec4ec1e0ac1cb769cd26	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044

Pandey A.K.; Malik S.; Seshadri T.R.	Implications of baryon–dark matter interaction on IGM temperature and tSZ effect with magnetic field	2021	Monthly Notices of the Royal Astronomical Society	500	1		643	0	10.1093/mnras/staa3281	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097477602&doi=10.1093%2fmnras%2fstaa3281&partnerID=40&md5=ea76646096f3c78000a574a439cea4e1	Department of Physics and Astrophysics, University of Delhi	Oxford University Press	358711
Yadav C.; Lumb S.; Prasad V.	Static multipole polarizabilites of H-atom in modified ring-shaped potentials	2021	European Physical Journal D	75	1	21		6	10.1140/epjd/s10053-020-00026-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099926278&doi=10.1140%2fepjd%2fs10053-020-00026-y&partnerID=40&md5=0f8360a6240a1f3a7914d66207f15066	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Kumar D.; Jain D.; Mahajan S.; Mukherjee A.; Rani N.	Constraining cosmological and galaxy parameters using strong gravitational lensing systems	2021	Physical Review D	103	6	63511		8	10.1103/PhysRevD.103.063511	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103085212&doi=10.1103%2fPhysRevD.103.063511&partnerID=40&md5=ec6b98f89c7391605291ad51e22b4a05	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Fernández-Trincado J.G.; Beers T.C.; ...; Singh H.P.; Kundu R.; ...	APOGEE discovery of a chemically atypical star disrupted from NGC 6723 and captured by the Milky Way bulge	2021	Astronomy and Astrophysics	647		A64		13	10.1051/0004-6361/202040255	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102468369&doi=10.1051%2f0004-6361%2f202040255&partnerID=40&md5=b69303d50d2cf908dc1a19079fe3195c	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Jagannathan S.; Sharma R.; Seshadri T.R.	Imprints of the post-recombination dissipation of helical magnetic field on the Cosmic Microwave Background Radiation	2021	International Journal of Modern Physics D	30	1	2050122		1	10.1142/S0218271820501229	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097426180&doi=10.1142%2fS0218271820501229&partnerID=40&md5=2c512e53e0406e2ad890596ac62067d1	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2182718
Bhowmick S.; Sen R.; Saini C.P.; Singhal R.; Walczak L.; Gupta M.; Phase D.M.; Kanjilal A.	Unveiling Temperature-Mediated Dual-Band Edge in TiO2Nanotubes with Enhanced Photocatalytic Effect	2021	Journal of Physical Chemistry C	125	8		4846	10	10.1021/acs.jpcc.0c11081	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101800040&doi=10.1021%2facs.jpcc.0c11081&partnerID=40&md5=004930a38e405367a62c483d5cf81f44	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	19327447
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for dark matter produced in association with a leptonically decaying Z boson in proton–proton collisions at √s=13Te	2021	European Physical Journal C	81	1	13		34	10.1140/epjc/s10052-020-08739-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099373612&doi=10.1140%2fepjc%2fs10052-020-08739-5&partnerID=40&md5=f4f3d65defbc6e320fd938dcc8288fc7	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Kumar S.; Sreenivas K.	Effects of dl-alanine fuel and annealing on auto-combustion derived MgFe2O4 powder with low carbon content and improved magnetic properties	2021	Applied Physics A: Materials Science and Processing	127	3	165		3	10.1007/s00339-020-04246-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100502871&doi=10.1007%2fs00339-020-04246-2&partnerID=40&md5=7a345d239e6f05bdf6ef1fc21a2ba7ce	Department of Physics and Astrophysics, University of Delhi	Springer Science and Business Media Deutschland GmbH	9478396
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at s=13TeV	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	812		135992		32	10.1016/j.physletb.2020.135992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100595063&doi=10.1016%2fj.physletb.2020.135992&partnerID=40&md5=ce85fb15f904d090a80c6a5ce4210204	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Kumar V.; Bhogra A.; Bala M.; Kuo H.-W.; Chen C.-L.; Dong C.-L.; Kandasami A.; Subramanian A.	Bandgap engineering in SrTiO3 thin films by electronic excitations: A synchrotron-based spectroscopic study	2021	Scripta Materialia	195		113725		3	10.1016/j.scriptamat.2021.113725	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099508822&doi=10.1016%2fj.scriptamat.2021.113725&partnerID=40&md5=9fe4c9172742b2cd2dc3207a78c82ba0	Department of Physics and Astrophysics, University of Delhi, ...	Acta Materialia Inc	13596462

Gangopadhyay M.R.; Myrzakul S.; Sami M.; Sharma M.K.	Paradigm of warm quintessential inflation and production of relic gravity waves	2021	Physical Review D	103	4	43505		20	10.1103/PhysRevD.103.043505	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101048797&doi=10.1103%2fPhysRevD.103.043505&partnerID=40&md5=77b926242148eefc9c85f037926a5c1e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Gopal K.; Gupta D.N.; Suk H.	Pulse-length Effect on Laser Wakefield Acceleration of Electrons by Skewed Laser Pulses	2021	IEEE Transactions on Plasma Science	49	3	9366319	1152	7	10.1109/TPS.2021.3059643	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102258105&doi=10.1109%2fTPS.2021.3059643&partnerID=40&md5=56882793f290c9b90cfe045f0d7a149c	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	933813
Gurjar M.C.; Gopal K.; Gupta D.N.; Kulagin V.V.	Terahertz radiation generation from short-pulse laser interaction with electron-hole plasmas	2021	EPL	133	1	14001		10	10.1209/0295-5075/133/14001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103004924&doi=10.1209%2f0295-5075%2f133%2f14001&partnerID=40&md5=7a86476327973af7c69086d287d983c0	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	2955075
Sharma S.; Tomar M.; Gupta V.; Kapoor A.	Investigation of cadmium-incorporated ZnO thin films for photodetector applications	2021	Superlattices and Microstructures	151		106812		8	10.1016/j.spmi.2021.106812	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100041676&doi=10.1016%2fj.spmi.2021.106812&partnerID=40&md5=5f6fc39676f27f822e5c5a4988c12481	Department of Physics and Astrophysics, University of Delhi, ...	Academic Press	7496036
Kumar P.; Vashishth S.; Sharma I.; Verma V.	Porous SnO2 ceramic-based hydroelectric cells for green power generation	2021	Journal of Materials Science: Materials in Electronics	32	1		1052	11	10.1007/s10854-020-04880-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096293669&doi=10.1007%2fs10854-020-04880-9&partnerID=40&md5=39562c916ba936062fcb8203c3142129	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522
Pandey A.; Bhushan R.; Rohilla A.; Majumder C.; Chakraborty S.; Singh R.P.; Kapil A.; Chamoli S.K.	Fabrication of thin Nb target for lifetime measurements of short lived excited nuclear states	2021	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	985		164667		4	10.1016/j.nima.2020.164667	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091195213&doi=10.1016%2fj.nima.2020.164667&partnerID=40&md5=7a5c51a2ae67ea820dad8f146ec7f2cb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1689002
Reali M.; Saini P.; Santato C.	Electronic and protonic transport in bio-sourced materials: A new perspective on semiconductivity	2021	Materials Advances	2	1		15	18	10.1039/d0ma00579g	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102485826&doi=10.1039%2fd0ma00579g&partnerID=40&md5=985abb75503d3bdf729ace2aaf00f248	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	26335409
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Search for slow magnetic monopoles with the NOvA detector on the surface	2021	Physical Review D	103	1	12007		5	10.1103/PhysRevD.103.012007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099278715&doi=10.1103%2fPhysRevD.103.012007&partnerID=40&md5=9e5cd0d2602212cfc7c7ee874f41d5d1	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kumar N.; Verma S.; Mohsina S.; Sadhukhan J.; Rojeeta Devi K.; Banerjee A.; Saneesh N.; Kumar M.; Mahajan R.; Thakur M.; Kaur G.; Rani A.; Neelam; Yadav A.; Kavita; Kumar R.; Unnati; Mandal S.; Kumar S.; Behera B.R.; Golda K.S.; Jhingan A.; Sugathan P.	Probing entrance channel effects in fusion-fission dynamics through neutron multiplicity measurement of 208Rn	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	814		136062		10	10.1016/j.physletb.2021.136062	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099395182&doi=10.1016%2fj.physletb.2021.136062&partnerID=40&md5=e4afacc04e938032e3c97b968d6f9a68	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at sNN =8.16 TeV	2021	Physical Review C	103	1	14902		1	10.1103/PhysRevC.103.014902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099623310&doi=10.1103%2fPhysRevC.103.014902&partnerID=40&md5=b4726f1b47fb5dac6723bbf08ddc9d9f	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Channey K.S.; Kumar S.	Breaking μ - τ symmetry of tri-bimaximal mixing	2021	Journal of Physics G: Nuclear and Particle Physics	48	3	35003		1	10.1088/1361-6471/abc6e8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101025815&doi=10.1088%2f1361-6471%2fabc6e8&partnerID=40&md5=c1e4d740d7671e259f3a62ae190ff887	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9543899
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	813		136036		13	10.1016/j.physletb.2020.135636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100575799&doi=10.1016%2fj.physletb.2020.135636&partnerID=40&md5=326e8ecb7199884c8a056439af97953d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sirunyan, A.M.; Tumasyan, A.; ...; Bhardwaj, A.; Choudhary, B.C.; ...Kumar, A.; Naimuddin M.; ...; Ranjan K.; ...	Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at s=13 TeV	2021	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	812		136018		29	10.1016/j.physletb.2020.135618	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099646895&doi=10.1016%2fj.physletb.2020.135618&partnerID=40&md5=7efb75f10eb8e4eb3e86e3566c60e043	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Gupta D.N.	Optical Second-Harmonic Generation of Terahertz Field from n-type InSb Semiconductors	2021	Plasmonics	16	2		419	23	10.1007/s11468-020-01291-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092060812&doi=10.1007%2fs11468-020-01291-8&partnerID=40&md5=f4b4c18fb88c05721ad360ef94ab3788	Department of Physics and Astrophysics, University of Delhi	Springer	15571955
Nitish R.; Kar S.	Geometric torsion, four-form, Riemann duals and Quintessence	2021	International Journal of Modern Physics D	30	2	2150011		1	10.1142/S0218271821500115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098270801&doi=10.1142%2fS0218271821500115&partnerID=40&md5=be6c8b8896a8c5ab114c1deb5996cce0	Department of Physics and Astrophysics, University of Delhi	World Scientific	2182718
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Evidence for Higgs boson decay to a pair of muons	2021	Journal of High Energy Physics	2021	1	148		99	10.1007/JHEP01(2021)148	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107384471&doi=10.1007%2fJHEP01%282021%29148&partnerID=40&md5=18158ecbdee632d9d67415775853e5e5	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Dimri M.; Dawra D.; Singh A.K.; Jha A.K.S.; Pandey R.K.; Mohan M.	Atomic structure and radiative properties of he-like ni26+ion in dense plasma	2021	Canadian Journal of Physics	99	7		559	0	10.1139/cjp-2020-0036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109365905&doi=10.1139%2fcjp-2020-0036&partnerID=40&md5=17614fd2b48d28b7be56839b62f169ca	Department of Physics and Astrophysics, University of Delhi, ...	Canadian Science Publishing	84204
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Search for new physics in top quark production with additional leptons in proton-proton collisions at √s = 13 TeV using effective field theory	2021	Journal of High Energy Physics	2021	3	95		26	10.1007/JHEP03(2021)095	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102423402&doi=10.1007%2fJHEP03%282021%29095&partnerID=40&md5=4c4dd18dc9f0621c0ac65c212c49da96	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Asapur P.; Banerjee I.; Sahare P.D.; Mahapatra S.	Spectroscopic analysis of Muga silk nanoparticles synthesized by microwave method	2021	Biotechnology and Applied Biochemistry	68	2		345	2	10.1002/bab.1932	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085523640&doi=10.1002%2fbab.1932&partnerID=40&md5=7c3e856fd63aa5524a3c31dbe9af358d	Department of Physics and Astrophysics, University of Delhi, ...	Blackwell Publishing Ltd	8854513

Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Measurement of differential $t\bar{t}$ production cross sections using top quarks at large transverse momenta in pp collisions at s =13 TeV MEASUREMENT of DIFFERENTIAL $t\bar{t}$ ... SIRUNYAN A. M. et al.	2021	Physical Review D	103	5	52008		13	10.1103/PhysRevD.103.052008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103759080&doi=10.1103%2fPhysRevD.103.052008&partnerID=40&md5=1051b780c2e19331c5823a3f0bf93b1e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tripathi A.K.; Murugavel S.; Singh R.K.	Dead Ashoka (Saraca asoca) leaves–derived porous activated carbons and flexible iongel polymer electrolyte for high-energy-density electric double-layer capacitors	2021	Materials Today Sustainability	11-12		100062		10	10.1016/j.mtsust.2021.100062	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102443755&doi=10.1016%2fj.mtsust.2021.100062&partnerID=40&md5=e2ced5c1f0b9cad0ebc42bf45ddf3319	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	25892347
Khachatryan V.; Sirunyan A.M.; …; Bhardwaj A.; Choudhary B.C.; …; Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	The very forward CASTOR calorimeter of the CMS experiment	2021	Journal of Instrumentation	16	2	P02010		7	10.1088/1748-0221/16/02/P02010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101722929&doi=10.1088%2f1748-0221%2f16%2f02%2fP02010&partnerID=40&md5=f822d4ceb5d9ab63a75ac4afcfa0af1a	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	17480221
Rawal R.; Kharangarh P.R.; Dawra S.; Bhardwaj P.	Synthesis, characterization and immobilization of bilirubin oxidase nanoparticles (BOxNPs) with enhanced activity: Application for serum bilirubin determination in jaundice patients	2021	Enzyme and Microbial Technology	143		109716		5	10.1016/j.enzmictec.2020.109716	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097254231&doi=10.1016%2fj.enzmictec.2020.109716&partnerID=40&md5=f3f9035ea71ee59caa9591e248827af2	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Inc.	1410229
Arti; Gupta R.; Bokolia R.; Verma V.	Improvement in photovoltaic response of bismuth ferrite by tuning its ferroelectric and bandgap properties	2021	Journal of Materials Science: Materials in Electronics	32	2		1570	2	10.1007/s10854-020-04925-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098501854&doi=10.1007%2fs10854-020-04925-z&partnerID=40&md5=58a8b22743b46c66222ea43d53b3d72a	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the Higgs boson width and evidence of its off-shell contributions to ZZ production	2022	Nature Physics	18	11		1329	10	10.1038/s41567-022-01682-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140310896&doi=10.1038%2fs41567-022-01682-0&partnerID=40&md5=2d845e3ee8a9789b80ffd0f88be9f06e	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	17452473
Mohit; Yadav N.; Hashmi S.A.	High energy density solid-state supercapacitors based on porous carbon electrodes derived from pre-treated bio-waste precursor sugarcane bagasse	2022	Journal of Energy Storage	55		105421		8	10.1016/j.est.2022.105421	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136559408&doi=10.1016%2fj.est.2022.105421&partnerID=40&md5=4b15871f584a31548b8b2d44f2f3e027	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	2352152X
Sharma A.K.; Kumar P.; Kumar A.; Jungbog K.; Vedeshwar A.G.	Optical properties of InI3: Density functional theory calculations and experimental results	2022	Solid State Communications	358		115014		0	10.1016/j.ssc.2022.115014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141801156&doi=10.1016%2fj.ssc.2022.115014&partnerID=40&md5=fe475255942808d425879070529d35fb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	381098
Khatri I.; Goyal A.	Theoretical analysis of excitation energies and transition parameters of C-like ions	2022	European Physical Journal D	76	11	206		1	10.1140/epjd/s10053-022-00523-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141218470&doi=10.1140%2fepjd%2fs10053-022-00523-2&partnerID=40&md5=32056cdbfe19280faa3398ca5ddc7b1b	Department of Physics and Astrophysics, University of Delhi	Springer Science and Business Media Deutschland GmbH	14346060
Mehto N.K.; Sharma P.; Kumar S.; Khanuja M.; Rawal R.; Narang J.	Towards papertronics based electrode decorated with zinc oxide nanoparticles for the detection of the yellow fever virus consensus sequence	2022	Process Biochemistry	123			36	6	10.1016/j.procbio.2022.10.026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141322460&doi=10.1016%2fj.procbio.2022.10.026&partnerID=40&md5=26d6e6955ac9c731c20e7ecce9874d16	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13595113

Batra K.; Sinha N.; Kumar B.	Effect of Nd-doping on 0.95(K0.6Na0.4)NbO3-0.05(Bi0.5Na0.5)ZrO3 ceramics: Enhanced electrical properties and piezoelectric energy harvesting capability	2022	Journal of Physics and Chemistry of Solids	170		110953		2	10.1016/j.jpcs.2022.110953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137037350&doi=10.1016%2fj.jpcs.2022.110953&partnerID=40&md5=be4a041a3618b3dcf0da35b502644bf3	Department of Physics and Astrophysics, University of Delhi	Elsevier Ltd	223697
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Evidence for WW/WZ vector boson scattering in the decay channel ℓνqq produced in association with two jets in proton-proton collisions at s=13 TeV	2022	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	834		137438		3	10.1016/j.physletb.2022.137438	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142894908&doi=10.1016%2fj.physletb.2022.137438&partnerID=40&md5=0541cb816e8fa5d9a1c3ad735366bd06	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Bangruwa N.; Srivastava M.; Mishra D.	CISS-Based Label-Free Novel Electrochemical Impedimetric Detection of UVC-Induced DNA Damage	2022	ACS Omega	7	42		37705	3	10.1021/acsomega.2c04659	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140313490&doi=10.1021%2facsomega.2c04659&partnerID=40&md5=e5a1aa2db65e9d2c7010e80804ab1dbd	Department of Physics and Astrophysics, University of Delhi	American Chemical Society	24701343
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the Drell-Yan forward-backward asymmetry at high dilepton masses in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	8	63		4	10.1007/JHEP08(2022)063	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135824884&doi=10.1007%2fJHEP08%282022%29063&partnerID=40&md5=f3bda48b2bff84584574b92527ee6c80	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Luthra M.; Garkoti P.; Goswami K.; Bharadvaja A.; Baluja K.L.	Electron impact cross-sections of tetraethyl silicate	2022	Plasma Sources Science and Technology	31	9	95013		3	10.1088/1361-6595/ac8289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139864853&doi=10.1088%2f1361-6595%2fac8289&partnerID=40&md5=40b21e9cd3939236d18605b3733b2559	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	9630252
Arif M.; Ullah M.S.; Kant L.	Photogravitational magnetic-binary problem with oblateness and belt of material points	2022	New Astronomy	97		101877		1	10.1016/j.newast.2022.101877	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133483078&doi=10.1016%2fj.newast.2022.101877&partnerID=40&md5=f9a8ed9c71e94f0858c33a4e019be143	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13841076
Singh J.; Tennyson J.	R-matrix calculation electron collisions with HCN and HNC molecules	2022	European Physical Journal D	76	12	242		0	10.1140/epjd/s10053-022-00575-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143905277&doi=10.1140%2fepjd%2fs10053-022-00575-4&partnerID=40&md5=418749b50278b3d1eaa8e5d615685ced	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Higgs Boson Pair Production in the Four b Quark Final State in Proton-Proton Collisions at s =13 TeV	2022	Physical Review Letters	129	8	81802		15	10.1103/PhysRevLett.129.081802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137155988&doi=10.1103%2fPhysRevLett.129.081802&partnerID=40&md5=35794651864e1ea58e5b5bcba34c8f7f	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Suraj M.S.; Alhowaity S.; Aggarwal R.; Asique M.C.; Alahmadi A.	On the rhomboidal restricted five-body problem: Analysis of the basins of convergence	2022	New Astronomy	97		101893		0	10.1016/j.newast.2022.101893	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134711693&doi=10.1016%2fj.newast.2022.101893&partnerID=40&md5=1f9728efc3312c6513f69168a77e5753	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13841076
Chaudhuri A.; Das J.	Study of entropy production due to electroweak phase transition in Z2 symmetric extension of the Standard Model	2022	Physical Review D	106	9	95016		0	10.1103/PhysRevD.106.095016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143299008&doi=10.1103%2fPhysRevD.106.095016&partnerID=40&md5=3b423bef701b306c2d7b0f33ac45d854	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Bhukkal S.; Kumar B.	Electrical, optical, and mechanical properties of modified Czochralski grown organic 4-nitrobenzaldehyde single crystal	2022	Journal of Physics and Chemistry of Solids	169		110839		1	10.1016/j.jpcs.2022.110839	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132505534&doi=10.1016%2fj.jpcs.2022.110839&partnerID=40&md5=1438feeff962c97b00f0c20925616ef2	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697
Singh M.; Gupta D.N.	Optical second-and third harmonic radiation generation in a laser-produced plasma	2022	Laser Physics	32	8	85001		1	10.1088/1555-6611/ac787a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145814543&doi=10.1088%2f1555-6611%2fac787a&partnerID=40&md5=13f968fb2d4b63bb75faea1bbb62e3e1	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	1054660X
Choudhury D.; Maharana S.	A closed clockwork theory: ℤ2 parity and more	2022	Journal of High Energy Physics	2022	12	71		0	10.1007/JHEP12(2022)071	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143908818&doi=10.1007%2fJHEP12%282022%29071&partnerID=40&md5=9f402a752d3c4a9dae0293b8d57e22d2	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sanila S.; Vinodkumar A.M.; Babu B.R.S.; Madhavan N.; Nath S.; Gehlot J.; Biswas R.; Kumar C.; Gonika; Rani A.; Parihari A.; Viswakarma D.; Noor S.; Prasad E.	Fusion studies in C 12 + W 182,184,186 reactions at energies below and near the Coulomb barrier	2022	Physical Review C	106	2	24614		1	10.1103/PhysRevC.106.024614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138165495&doi=10.1103%2fPhysRevC.106.024614&partnerID=40&md5=85381f1d30a4a76e4e23b0b43f3cfd9b	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Lamichhane S.; Sharma S.; Tomar M.; Chowdhuri A.	Effect of variation in glancing angle deposition on resistive switching property of WO3thin films for RRAM devices	2022	Journal of Applied Physics	132	13	134102		4	10.1063/5.0103236	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139860085&doi=10.1063%2f5.0103236&partnerID=40&md5=057cfddfebc7919b3e5b15aae02b87f4	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	218979
Verma M.; Tanwar A.; Haridas D.; Mahajan S.; Menon R.; Kumar S.; Sreenivas K.	Effect of calcination temperature on structural, dielectric and piezoelectric properties of strontium bismuth niobate ceramics	2022	Applied Physics A: Materials Science and Processing	128	9	793		2	10.1007/s00339-022-05954-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136477215&doi=10.1007%2fs00339-022-05954-7&partnerID=40&md5=7fc604ffe6001fff5f3725d2528f2999	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9478396
Dixit A.; Tripathi R.P.; Kumar S.; Ansari M.A.; Sreenivas K.	Characterizing the degree of aqueous alteration in a fresh sample of Mukundpura CM chondrite fall using ATR-FTIR and TGA	2022	Meteoritics and Planetary Science	57	9		1628	0	10.1111/maps.13888	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134931229&doi=10.1111%2fmaps.13888&partnerID=40&md5=179a68a72e407429b1316894ed7fde30	Department of Physics and Astrophysics, University of Delhi, ...	University of Arkansa	10869379
Gupta V.; Srivastava A.; Jain R.; Sharma V.K.; Kumar L.	Optimization and development of ITO-free plasmonic gold nanoparticles assisted inverted organic solar cells	2022	Optical Materials	131		112747		1	10.1016/j.optmat.2022.112747	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134215857&doi=10.1016%2fj.optmat.2022.112747&partnerID=40&md5=19f62e4f59ec6e9be3f38aceb580f4b4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9253467
Chatterjee S.; Mondal B.; Ghosh A.; Arora D.; Das S.; Samanta S.; Raut R.; Ghugre S.S.; Srivastava P.C.; Sinha A.K.; Garg U.; Singh H.K.; Neelam; Devi K.R.; Sharma A.; Bhattacharjee S.S.; Garg R.; Bala I.; Singh R.P.; Muralithar S.	Single-particle configurations of the excited states of Po 203	2022	Physical Review C	106	4	44329		0	10.1103/PhysRevC.106.044329	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141608201&doi=10.1103%2fPhysRevC.106.044329&partnerID=40&md5=dc7c02867b21e68b4b91cda700e1f4a6	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985

Vandana; Gupta R.; Tandon R.P.; Tomar M.	Electrocaloric and energy storage properties of sol-gel derived lanthanum doped PZT thick films	2022	Materials Science in Semiconductor Processing	150		106970		2	10.1016/j.mssp.2022.106970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134653591&doi=10.1016%2fj.mssp.2022.106970&partnerID=40&md5=5f99c8c9c9a0bb61912846432b355351	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13698001
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurements of the associated production of a W boson and a charm quark in proton–proton collisions at √s=8TeV	2022	European Physical Journal C	82	12	1094		5	10.1140/epjc/s10052-022-10897-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149225155&doi=10.1140%2fepjc%2fs10052-022-10897-7&partnerID=40&md5=e8783d0583227562283205154b1fc906	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Kedia A.; Singhal R.; Senthil Kumar P.	Shape trimming and LSPR tuning of colloidal gold nanostars	2022	Chemical Physics Letters	807		140101		1	10.1016/j.cplett.2022.140101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139831636&doi=10.1016%2fj.cplett.2022.140101&partnerID=40&md5=421360a635a1fc88937da60fc74f6355	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	92614
Ahmad C.V.; Gupta R.; Chakraborty K.; Swami D.K.; Verma P.	Inner-shell ionisation of Xeq+–Au and Pb collision systems: MO picture	2022	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	531			9	0	10.1016/j.nimb.2022.08.010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139058589&doi=10.1016%2fj.nimb.2022.08.010&partnerID=40&md5=07f8a3664ee5036ced1c2cfa440fad95	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	0168583X
Dahiya A.; Gupta K.K.; Singh S.S.	Thermodynamic quantities of magnetised PNJL model in non-zero chemical potential	2022	Pramana - Journal of Physics	96	4	220		0	10.1007/s12043-022-02466-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141737163&doi=10.1007%2fs12043-022-02466-0&partnerID=40&md5=e8d89eee8a228f0f140ac930aa2727bc	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3044289
Joshi R.; Goyal A.; Kumar P.; Mohan M.	Theoretical analysis of relativistic energy corrections, partition function and thermodynamic properties of spherically confined hydrogen atom	2022	European Physical Journal D	76	8	149		1	10.1140/epjd/s10053-022-00484-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137079177&doi=10.1140%2fepjd%2fs10053-022-00484-6&partnerID=40&md5=b4423de46a90786658972bf2ae8de6bb	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Anzar N.; Suleman S.; Kumar R.; Rawal R.; Pundir C.S.; Pilloton R.; Narang J.	Electrochemical Sensor for Bilirubin Detection Using Paper-Based Screen-Printed Electrodes Functionalized with Silver Nanoparticles	2022	Micromachines	13	11	1845		5	10.3390/mi13111845	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141736237&doi=10.3390%2fmi13111845&partnerID=40&md5=10be32199f633cb9d8efb733995e96e6	Department of Physics and Astrophysics, University of Delhi, ...	MDPI	2072666X
Yadav S.; Kumar M.; Kumar V.; Behera P.K.	Stability analysis of Lagrangian points of geo-synchronous satellite including the resistive force and earth's equatorial ellipticity	2022	New Astronomy	97		101887		0	10.1016/j.newast.2022.101887	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133700262&doi=10.1016%2fj.newast.2022.101887&partnerID=40&md5=c2b0e2bddc9f784a70b44746d39f8f59	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13841076
Kumar P.; Goyal A.; Mohan M.	Theoretical study of excitation energies and radiative data with identification of SXR and EUV spectral lines for Li-like ions	2022	European Physical Journal Plus	137	11	1253		0	10.1140/epjp/s13360-022-03479-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142233443&doi=10.1140%2fepjp%2fs13360-022-03479-9&partnerID=40&md5=7a09ffe52e166505d37da8c15d2dcd05	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	21905444
Kaushal S.; Chaudhary A.; Dhakate S.R.	Analysis of electromagnetic shielding performance of waste rubber powder-based flexible composites	2022	Journal of Materials Science: Materials in Electronics	33	32		24434	3	10.1007/s10854-022-09157-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139741063&doi=10.1007%2fs10854-022-09157-x&partnerID=40&md5=f2bf07e352d8a8622181101c9bd92aa2	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522

Kundu R.; Navarrete C.; Sbordone L.; Carballo-Bello J.A.; Fernández-Trincado J.G.; Minniti D.; Singh H.P.	Extra-tidal star candidates in globular clusters of the Sagittarius dwarf spheroidal galaxy	2022	Astronomy and Astrophysics	665		A8		1	10.1051/0004-6361/202141912	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141233075&doi=10.1051%2f0004-6361%2f202141912&partnerID=40&md5=351e029f85bf89d95ded72178b0e83dd	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Sharma E.; Gopinathan M.; Soam A.; Lee C.W.; Seshadri T.R.	Core orientations and magnetic fields in isolated molecular clouds	2022	Monthly Notices of the Royal Astronomical Society	517	1		1138	1	10.1093/mnras/stac2487	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159607588&doi=10.1093%2fmnras%2fstac2487&partnerID=40&md5=c5825d0d6f546ab5163208cdd1ae0721	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Ansari M.A.; James A.R.; Zimik K.; Bokolia R.; Kundu R.S.; Sreenivas K.	Effects of Er3+ dopant on polymorphic phase boundaries and electrical properties of Sn4+modified Ba1−yErySn0.06Ti0.94O3 multifunctional ceramics	2022	Applied Physics A: Materials Science and Processing	128	11	1000		0	10.1007/s00339-022-06147-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140378038&doi=10.1007%2fs00339-022-06147-y&partnerID=40&md5=c6e92899937816cd6503b4905c39f0bb	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9478396
Chauhan N.; Peter A.; Soni S.; Rawal R.; Jain U.	Biomaterials as regenerative medicine in Poly Cystic Ovarian Syndrome (PCOS) treatment	2022	Biochemical Engineering Journal	187		108649		0	10.1016/j.bej.2022.108649	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139386125&doi=10.1016%2fj.bej.2022.108649&partnerID=40&md5=96ed194aefc399616fdf2b6fe3b1bc08	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1369703X
Rao A.K.; Varshney D.; Srivastava R.; Kaur A.	Realization of room temperature electro-phosphorescence from an iridium metal based efficient novel triplet emitter	2022	Applied Physics A: Materials Science and Processing	128	9	766		2	10.1007/s00339-022-05891-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135632993&doi=10.1007%2fs00339-022-05891-5&partnerID=40&md5=e600d974b100727d7726aef3792374bb	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9478396
Yadav I.; Jain S.; Joshi S.R.; Goyal A.; Tomar M.; Gupta S.; Dutta S.; Chatterjee R.	Compositional, electrical and thermal properties of nonstoichiometric titanium oxide thin films for MEMS bolometer applications	2022	Materials Science in Semiconductor Processing	148		106779		4	10.1016/j.mssp.2022.106779	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129982024&doi=10.1016%2fj.mssp.2022.106779&partnerID=40&md5=e2a88a6605a5a7fd8cac12f225d8259c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13698001
Alnajar M.H.; Sinha N.; Kumar B.	Development of energy harvesting and ferroelectric characteristic of thulium doped ZnO via graphene addition	2022	Materials Chemistry and Physics	292		126848		1	10.1016/j.matchemphys.2022.126848	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139592267&doi=10.1016%2fj.matchemphys.2022.126848&partnerID=40&md5=b3cb09069a49442dd0bd9ab9883ddfa9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for high-mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at s=13TeV	2022	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	832		137263		1	10.1016/j.physletb.2022.137263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136276673&doi=10.1016%2fj.physletb.2022.137263&partnerID=40&md5=03d13f2a3095680fd43e5cce71a575ae	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Singh A.; Gupta V.	Study of Structural and Electrical Properties of Li and Nb Modified BNT Thin Film and Observation of Enhanced Electrocaloric Effect near Room Temperature	2022	ECS Journal of Solid State Science and Technology	11	8	83006		1	10.1149/2162-8777/ac86a0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136272116&doi=10.1149%2f2162-8777%2fac86a0&partnerID=40&md5=8892172882f89ac580471133dd427594	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	21628769
Sharma M.K.; Pacif S.K.J.; Myrzakul S.; Shanina Z.	Observational constraints on the massive neutrinos induced late-time cosmic acceleration	2022	Physica Scripta	97	8	85010		0	10.1088/1402-4896/ac81ff	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135380636&doi=10.1088%2f1402-4896%2fac81ff&partnerID=40&md5=b02a44c789ff735dcf8dcaa3f2c74789	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	318949

Varsha; Lakaal K.; Kria M.; Hamdaoui J.E.; Prasad V.; Feddi E.; Laroze D.; Pérez L.M.; Ramos M.E.M.	Lattice deformation and potential effects on linear and nonlinear optical properties of doped SiGe quantum dot encapsulated in Si matrix	2022	European Physical Journal Plus	137	12	1340		2	10.1140/epjp/s13360-022-03530-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144472506&doi=10.1140%2fepjp%2fs13360-022-03530-9&partnerID=40&md5=4b6a636910f42fdfc3b8750e406f2ec3	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	21905444
Das S.; Sur S.	Emergent gravity at all scales	2022	International Journal of Modern Physics D	31	16	2250118		2	10.1142/S0218271822501188	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141255633&doi=10.1142%2fS0218271822501188&partnerID=40&md5=c993bdc117f10596ff554d1033d0515d	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2182718
Yadav G.; Gupta R.; Sharma A.; Tomar M.	Optical properties of LMBE grown c-axis oriented GaN thin films using Surface Plasmon Resonance technique	2022	Optical Materials	131		112603		1	10.1016/j.optmat.2022.112603	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132700466&doi=10.1016%2fj.optmat.2022.112603&partnerID=40&md5=48929f8ffa0d11f0cc3c074e33c31d59	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9253467
Dhull N.; Kaur G.; Jindal K.; Verma M.; Tomar M.	Microfluidics integrated NiO based electrolyte-gated FETs for the detection of cortisol	2022	Journal of Materials Chemistry B	10	44		9226	1	10.1039/d2tb01652d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141884416&doi=10.1039%2fd2tb01652d&partnerID=40&md5=192467d5a7c61d212ca0f8cf8f830805	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	2050750X
Kaur S.; Bharadvaja A.; Baluja K.L.	Electron interactions with AlF	2022	European Physical Journal D	76	9	176		2	10.1140/epjd/s10053-022-00513-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139404326&doi=10.1140%2fepjd%2fs10053-022-00513-4&partnerID=40&md5=f84eb0d8452a05f5f65c880c6b3c1e23	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Jeengar C.; Jindal K.; Tomar M.; Jha P.K.	Study of intrinsic point defects in γ-In2Se3 based on first principles calculations for the realization of an efficient UV photodetector	2022	Journal of Alloys and Compounds	912		165197		2	10.1016/j.jallcom.2022.165197	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129590369&doi=10.1016%2fj.jallcom.2022.165197&partnerID=40&md5=2c0c93be4c676d70d4a5a084df008487	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Rao A.K.; Varshney D.; Kaur A.	Investigating the role of heavy metal complexes as efficient triplet emitters for OLED applications	2022	Optical Materials	134		113107		2	10.1016/j.optmat.2022.113107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140141980&doi=10.1016%2fj.optmat.2022.113107&partnerID=40&md5=1c9d130de929246ff72e23f3bb5e24d5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9253467
Bhardwaj A.; Kanbur S.M.; Rejkuba M.; Marconi M.; Catelan M.; Ripepi V.; Singh H.P.	Near-infrared observations of RR Lyrae and Type II Cepheid variables in the metal-rich bulge globular cluster NGC 6441	2022	Astronomy and Astrophysics	668		A59		2	10.1051/0004-6361/202244728	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145355665&doi=10.1051%2f0004-6361%2f202244728&partnerID=40&md5=a127e6725c4c148d4ee9a3e734266228	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Kria M.; Nautiyal V.V.; Lakaal K.; El Hamdaoui J.; Pérez L.M.; Varsha; Laroze D.; Prasad V.; Long G.; Feddi E.	Rashba effect on linear and nonlinear optical properties of a cylindrical core/shell heterojunction quantum dot	2022	Frontiers in Physics	10		942758		3	10.3389/fphy.2022.942758	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137980564&doi=10.3389%2ffphy.2022.942758&partnerID=40&md5=ccb129d263e178bc5628f55ffaa91f7a	Department of Physics and Astrophysics, University of Delhi, ...	Frontiers Media SA	2296424X
Yadav S.; Bhatt V.; Bhattacherjee A.B.; Jha P.K.; Roy S.	Optical bistability and absorption characteristic of an optomechanical system embedded with double quantum dot and nonlinear medium	2022	Optical and Quantum Electronics	54	12	781		1	10.1007/s11082-022-04166-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139095585&doi=10.1007%2fs11082-022-04166-w&partnerID=40&md5=2bf61798278b5eade186990df692edf6	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3068919
Kakade P.M.; Kachere A.R.; Sahare P.D.; Deshmukh A.V.; Dhole S.D.; Jadkar S.R.; Mandlik N.T.	Structural, compositional and luminescence studies of Y2O3:Eu3+ nanophosphor synthesized by sol-gel method	2022	Journal of Alloys and Compounds	928		167106		10	10.1016/j.jallcom.2022.167106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138135598&doi=10.1016%2fj.jallcom.2022.167106&partnerID=40&md5=41affa89c5d44073ab66571c2e743643	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Nuclear modification of Y states in pPb collisions at sNN=5.02TeV	2022	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	835		137397		4	10.1016/j.physletb.2022.137397	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139112681&doi=10.1016%2fj.physletb.2022.137397&partnerID=40&md5=47167ec70b7516be1976bfe511d1bc73	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Kharangarh P.R.; Ravindra N.M.; Singh G.; Umapathy S.	Synthesis and characterization of Nb-doped strontium cobaltite@GQD electrodes for high performance supercapacitors	2022	Journal of Energy Storage	55		105388		19	10.1016/j.est.2022.105388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136168016&doi=10.1016%2fj.est.2022.105388&partnerID=40&md5=b865a07c41ab2af2d822b5c4e8f1ec69	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X
Jain R.; Sharma J.; Tiwari I.; Gadre S.D.; Kumarasamy S.; Parmananda P.; Prasad A.	Generation of aperiodic motion due to sporadic collisions of camphor ribbons	2022	Physical Review E	106	2	24201		5	10.1103/PhysRevE.106.024201	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136169106&doi=10.1103%2fPhysRevE.106.024201&partnerID=40&md5=6a02db71da6f12355b536bf552268d4c	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700045
Gupta D.N.; Yoffe S.R.; Jain A.; Ersfeld B.; Jaroszynski D.A.	Propagation of intense laser pulses in plasma with a prepared phase-space distribution	2022	Scientific Reports	12	1	20368		5	10.1038/s41598-022-24664-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142624393&doi=10.1038%2fs41598-022-24664-x&partnerID=40&md5=cbb14d8b2b87c8ecc623cce05e80fd5d	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	20452322
Ahmad T.; Tomar M.; Jindal K.; Jha P.K.	Role of coordination site in governing the structural, electronic and optical properties of Ca-doped strontium barium niobate	2022	Physica Scripta	97	9	95814		0	10.1088/1402-4896/ac8900	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136935957&doi=10.1088%2f1402-4896%2fac8900&partnerID=40&md5=44a904d911fceb989c96f122988da1d0	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	318949
Bhartiya P.K.; Bangruwa N.; Mishra D.	Synergistic effect of light and magnetic field on reduced graphene oxide/Ni foam for efficient overall water splitting	2022	MRS Communications	12	5		745	1	10.1557/s43579-022-00223-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135777077&doi=10.1557%2fs43579-022-00223-3&partnerID=40&md5=67a8fce90d91b7e6a87a8583e2065188	Department of Physics and Astrophysics, University of Delhi, ...	Springer Nature	21596859
Das S.; Sur S.	Dark matter or strong gravity?	2022	International Journal of Modern Physics D	31	14	2242020		2	10.1142/S0218271822420202	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139719150&doi=10.1142%2fS0218271822420202&partnerID=40&md5=7056277d583d185a0eb95e1902a8812f	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2182718
Bhartiya P.K.; Srivastava M.; Mishra D.	Chiral-induced enhanced electrocatalytic behaviour of cysteine coated bifunctional Au–Ni bilayer thin film device for water splitting application	2022	International Journal of Hydrogen Energy	47	100		42160	6	10.1016/j.ijhydene.2021.08.219	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115794021&doi=10.1016%2fj.ijhydene.2021.08.219&partnerID=40&md5=43f6a68c4a1d3097ef0c2089e6d55a35	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	3603199
Kapil J.; Pathak A.; Shukla P.	Computational investigation of half-metallicity in d0 half-Heusler alloys GeKZ (Z = Ca, Sr) using first-principles calculations	2022	Computational Materials Science	213		111665		0	10.1016/j.commatsci.2022.111665	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134893119&doi=10.1016%2fj.commatsci.2022.111665&partnerID=40&md5=163fb122761839c83363374c0fd747f1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9270256
Chaudhary V.; Gautam A.; Silotia P.; Malik S.; de Oliveira Hansen R.; Khalid M.; Khosla A.; Kaushik A.; Mishra Y.K.	Internet-of-nano-things (IoNT) driven intelligent face masks to combat airborne health hazard	2022	Materials Today	60			201	36	10.1016/j.mattod.2022.08.019	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139052913&doi=10.1016%2fj.mattod.2022.08.019&partnerID=40&md5=6ef4c3022023f2f25fb7bea2a438902f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13697021

Sharma P.; Jain C.; Dutta A.	Broad-band spectral analysis of LMXB 2S 0921-63 with Suzaku	2022	Monthly Notices of the Royal Astronomical Society	517	1		825	2	10.1093/mnras/stac2698	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159337029&doi=10.1093%2fmnras%2fstac2698&partnerID=40&md5=3d07130f50e1d04aa7ad9aab921c7cae	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Khurana S.; Chandra A.	Role of modified silica nanoparticles in enhancing the properties of flexible solid electrolytes	2022	Electrochimica Acta	432		141197		1	10.1016/j.electacta.2022.141197	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138450710&doi=10.1016%2fj.electacta.2022.141197&partnerID=40&md5=92fa9bebc8d79dbd6056c5b02b68d5d9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	134686
Singh N.; Goyal A.	Theoretical study of atomic parameters, electron impact excitation, and photoionization of 4d and 4d2 states in Sn ions	2022	European Physical Journal Plus	137	9	1054		0	10.1140/epjp/s13360-022-03225-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138155024&doi=10.1140%2fepjp%2fs13360-022-03225-1&partnerID=40&md5=96cc7149ff783473407ea238be7f5267	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	21905444
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for new particles in an extended Higgs sector with four b quarks in the final state at s=13TeV	2022	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	835		137566		2	10.1016/j.physletb.2022.137566	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144207105&doi=10.1016%2fj.physletb.2022.137566&partnerID=40&md5=7a37184c8043517cc21ed697c23974d8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Kumar R.; Sinha N.; Yadav H.; Kumar B.	Hirshfeld surface, etching, mechanical and electrical enhancement analyses of pyramid pattern of Xylenol Orange dye in Triglycine Sulphate single crystals	2022	Journal of Solid State Chemistry	315		123498		1	10.1016/j.jssc.2022.123498	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137178812&doi=10.1016%2fj.jssc.2022.123498&partnerID=40&md5=5f98003a3751fa2794e4fb381c58440c	Department of Physics and Astrophysics, University of Delhi, ...	Academic Press Inc.	224596
Roy M.; Mandal S.; Hens C.; Prasad A.; Kuznetsov N.V.; Dev Shrimali M.	Model-free prediction of multistability using echo state network	2022	Chaos	32	10	101104		6	10.1063/5.0119963	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140910956&doi=10.1063%2f5.0119963&partnerID=40&md5=f30b2f39cec9dfd5868d110ff847a8d4	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	10541500
Bhatt V.; Yadav S.; Jha P.K.; Bhattacherjee A.B.	Normal mode splitting and four-wave mixing in Kerr-nonlinear optical system containing coupled double quantum dot	2022	Journal of Optics (United Kingdom)	24	9	95501		0	10.1088/2040-8986/ac8561	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136002624&doi=10.1088%2f2040-8986%2fac8561&partnerID=40&md5=40b8b58aa46c3902933ce272289e63c8	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	20408978
Rani A.; Mandal S.; Chakraborty K.; Gupta R.; Ahmad C.V.; Parihari A.; Vishwakarma D.; Khandelwal P.; Rawat P.S.; Sherpa P.; Kumar S.; Madhavan N.; Nath S.; Gehlot J.; Biswas R.; Gonika; Kumar C.; Noor S.; Vinayak A.	Examining the correlation between multi-neutron transfer and inelastic excitations in sub-barrier fusion enhancement	2022	Physical Review C	106	6	64606		5	10.1103/PhysRevC.106.064606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146135870&doi=10.1103%2fPhysRevC.106.064606&partnerID=40&md5=b0d6aab8139cf34519c1b33cc207dc46	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Chanchal; Jindal K.; Pandey A.; Tomar M.; Jha P.K.	Phase-defined growth of In2Se3 thin films using PLD technique for high performance self-powered UV photodetector	2022	Applied Surface Science	595		153505		6	10.1016/j.apsusc.2022.153505	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129513584&doi=10.1016%2fj.apsusc.2022.153505&partnerID=40&md5=994edf0104ecc55fa6a51b874575eec4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1694332
Dahiya A.; Verma M.; Kumar P.S.	Plasmonic Applications of Gold-Copper Bimetallic Alloy Nanoparticles	2022	Plasmonics	17	5		2173	4	10.1007/s11468-022-01704-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137575522&doi=10.1007%2fs11468-022-01704-w&partnerID=40&md5=c42a60108cb9fa73afeb5927e000cfad	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571955

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	earch for a W′ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state at √s = 13 TeV	2022	Journal of High Energy Physics	2022	9	88		4	10.1007/JHEP09(2022)088	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138201723&doi=10.1007%2fJHEP09%282022%29088&partnerID=40&md5=c80de876c86ba07a0710546ae7991bea	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Singh R.; Alshaghdali K.; Saeed A.; Kausar M.A.; Aldakheel F.M.; Anwar S.; Mishra D.; Srivastava M.	Prospects of microbial-engineering for the production of graphene and its derivatives: Application to design nanosystms for cancer theranostics	2022	Seminars in Cancer Biology	86			885	4	10.1016/j.semcancer.2021.05.017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110100451&doi=10.1016%2fj.semcancer.2021.05.017&partnerID=40&md5=0492f1ad30c26bfdda637771ffe0cdd9	Department of Physics and Astrophysics, University of Delhi, ...	Academic Press	1044579X
Joshi B.C.; Gopakumar A.; ...; Batra N.D.; ...	Nanohertz gravitational wave astronomy during SKA era: An InPTA perspective	2022	Journal of Astrophysics and Astronomy	43	2	98		3	10.1007/s12036-022-09869-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143597308&doi=10.1007%2fs12036-022-09869-w&partnerID=40&md5=ec3a0a698d46d467fdfee3234c2e2277	Department of Physics and Astrophysics, University of Delhi, ...	Springer	2506335
Bhuyan Gogoi P.; Kumarasamy S.; Prasad A.; Ramaswamy R.	Transition from inhomogeneous limit cycles to oscillation death in nonlinear oscillators with similarity-dependent coupling	2022	Chaos	32	11	113138		1	10.1063/5.0100595	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143183954&doi=10.1063%2f5.0100595&partnerID=40&md5=fab2dd768f10584293a75f4f4afe1b44	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	10541500
Varsha; Giri R.; Arora M.; Prasad V.	Hydrogenic impurity effect on optical properties of Wannier-Mott exciton confined in a spherical quantum dot with Kratzer potential under magnetic field	2022	Revista Mexicana de Fisica	68	5	50504		0	10.31349/RevMexFis.68.050504	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137674929&doi=10.31349%2fRevMexFis.68.050504&partnerID=40&md5=bd3cda1f379c1589f2c0c750a9a75d02	Department of Physics and Astrophysics, University of Delhi, ...	Sociedad Mexicana de Fisica	0035001X
Choudhury D.; Deka K.; Maharana S.; Saini L.K.	Anomalous gauge couplings vis-à-vis (g-2)μ and flavor observables	2022	Physical Review D	106	11	115026		1	10.1103/PhysRevD.106.115026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144775829&doi=10.1103%2fPhysRevD.106.115026&partnerID=40&md5=73c01c01ae4c448d921e6a8959937b7b	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tewari S.P.; Bedi P.K.G.	Study of superconductivity in rhodium	2022	Pramana - Journal of Physics	96	3	143		0	10.1007/s12043-022-02383-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134765550&doi=10.1007%2fs12043-022-02383-2&partnerID=40&md5=adddd47f64cc348b7331e40da2d3cfca	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3044289
Arun M.T.; Choudhury D.	Neutron oscillation and baryogenesis from six dimensions	2022	Physical Review D	106	3	42003		2	10.1103/PhysRevD.106.L031701	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137853476&doi=10.1103%2fPhysRevD.106.L031701&partnerID=40&md5=497f57d7bc6f064845f432c03344b98e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Goswami K.; Luthra M.; Bharadvaja A.; Baluja K.L.	Partial Ionization Cross Sections of Tungsten Hexafluoride Due to Electron Impact	2022	Atoms	10	4	101		2	10.3390/atoms10040101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144674487&doi=10.3390%2fatoms10040101&partnerID=40&md5=c75a954bad0fd9ce3cdc1aeea8d38414	Department of Physics and Astrophysics, University of Delhi, ...	MDPI	22182004
Goyal A.; Khojali M.O.; Kumar M.; Cornell A.S.	Neutrino specific spin-3/2 dark matter	2022	European Physical Journal C	82	11	1002		0	10.1140/epjc/s10052-022-10975-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141349763&doi=10.1140%2fepjc%2fs10052-022-10975-w&partnerID=40&md5=38f2e1709a79e39ccb40e269af43544a	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Tarafdar P.; Nobleson K.; ...; Batra N.D.; ...	The Indian Pulsar Timing Array: First data release	2022	Publications of the Astronomical Society of Australia	39		e053		17	10.1017/pasa.2022.46	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141263324&doi=10.1017%2fpasa.2022.46&partnerID=40&md5=f3cfb721418c95ed925d5ed86b4e4f42	Department of Physics and Astrophysics, University of Delhi, ...	Cambridge University Press	13233580

Kumar K.; Prasad V.	Few generalized entropic relations related to Rydberg atoms	2022	Scientific Reports	12	1	7496		3	10.1038/s41598-022-10854-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129555335&doi=10.1038%2fs41598-022-10854-0&partnerID=40&md5=50fdc5c6f3ea1146f54f66fb8cbe1537	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	20452322
Jain S.; Paliwal A.; Gupta V.; Tomar M.	SPR based refractive index modulation of nanostructured SiO2 films grown using GLAD assisted RF sputtering technique	2022	Surfaces and Interfaces	34		102355		3	10.1016/j.surfin.2022.102355	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140799260&doi=10.1016%2fj.surfin.2022.102355&partnerID=40&md5=496b3af4557c1a8739e3b949fe8d1ae6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	24680230
Kumar P.; Kumar S.; Arti; Singh A.; Singh N.; Verma V.	Alkali (Na, K) doped SnO2: An investigation on the role of microstructure on electricity generation of oxide based ceramic hydroelectric cells	2022	Inorganic Chemistry Communications	146		110115		2	10.1016/j.inoche.2022.110115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141815621&doi=10.1016%2fj.inoche.2022.110115&partnerID=40&md5=eb0c2698aafa6fb3111884bb4703dd03	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13877003
Malik G.P.; Varma V.S.	On the Temperature- and Magnetic Field–Dependent Critical Current Density of Compressed Hydrogen Sulphide	2022	Journal of Superconductivity and Novel Magnetism	35	11		3119	1	10.1007/s10948-022-06357-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135898257&doi=10.1007%2fs10948-022-06357-8&partnerID=40&md5=20786f65cd901118080870daa83e51de	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571939
Bhattacharya S.; Trivedi T.; ...; Kumar S.; ...	Evidence for prolate-oblate shape coexistence in the odd- A Br38 3573 nucleus	2022	Physical Review C	106	4	44312		1	10.1103/PhysRevC.106.044312	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141559362&doi=10.1103%2fPhysRevC.106.044312&partnerID=40&md5=b4c1b727aa06a23b2602554d933bec7b	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Bhatt V.; Yadav S.; Jha P.K.; Bhattacherjee A.B.	Optical response in a double quantum dot molecule inside a nonlinear photonic crystal cavity	2022	Photonics and Nanostructures - Fundamentals and Applications	51		101043		2	10.1016/j.photonics.2022.101043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132696525&doi=10.1016%2fj.photonics.2022.101043&partnerID=40&md5=3e7b423224cc8e08902029c999579bd1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	15694410
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Improved measurement of neutrino oscillation parameters by the NOvA experiment	2022	Physical Review D	106	3	32004		42	10.1103/PhysRevD.106.032004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136260691&doi=10.1103%2fPhysRevD.106.032004&partnerID=40&md5=e045ec9a90938321c5c98536bb7c3917	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Luthra M.; Goswami K.; Arora A.K.; Bharadvaja A.; Baluja K.L.	Mass Spectrometry-Based Approach to Compute Electron-Impact Partial Ionization Cross-Sections of Methane, Water and Nitromethane from Threshold to 5 keV	2022	Atoms	10	3	74		3	10.3390/atoms10030074	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138740999&doi=10.3390%2fatoms10030074&partnerID=40&md5=679db5ba10b4bf4395fcfca1790818bd	Department of Physics and Astrophysics, University of Delhi, ...	MDPI	22182004
Kumar D.; Sharma R.K.; Aggarwal R.; Chauhan S.; Sharma A.	A Note on Modified Restricted Three-Body Problem	2022	Astronomy Reports	66	8		710	0	10.1134/S1063772922090049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141465410&doi=10.1134%2fS1063772922090049&partnerID=40&md5=bc97e6b0babe7a0de9b24f747300948a	Department of Physics and Astrophysics, University of Delhi, ...	Pleiades journals	10637729
Bose S.; Sinha A.; Munjal S.; Kumar Y.; Ghosh S.	Magnetic field induced Fréedericksz transition in a system of ultrafine spherical CoFe2O4 nanoparticles doped 7CB media	2022	Journal of Molecular Liquids	368		120688		0	10.1016/j.molliq.2022.120688	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142127162&doi=10.1016%2fj.molliq.2022.120688&partnerID=40&md5=121eb4f8516d470a0822055e448a2dd6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	1677322
Liu X.; Panguluri R.P.; Mukherjee R.; Mishra D.; Pokhrel S.; Shoemaker D.P.; Huang Z.-F.; Nadgorny B.	Nanoparticle geometrical effects on percolation, packing density, and magnetoresistive properties in ferromagnet-superconductor-insulator nanocomposites	2022	Physical Review B	106	22	224417		0	10.1103/PhysRevB.106.224417	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145251942&doi=10.1103%2fPhysRevB.106.224417&partnerID=40&md5=9a9698a47c1548a314013c7bc627bbe8	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699950

Sajinkumar K.S.; Santosh M.; Rani V.R.; Anand S.; Pradeepkumar A.P.; Chavan A.; Thrivikramji K.P.; Ramachandran P.V.	The Tertiary sequence of Varkala coastal cliffs, southwestern India: An ideal site for Global Geopark	2022	International Journal of Geoheritage and Parks	10	2		308	2	10.1016/j.ijgeop.2022.05.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131916770&doi=10.1016%2fj.ijgeop.2022.05.003&partnerID=40&md5=08109ef1e902d8ffc08e288d8bf08290	Department of Physics and Astrophysics, University of Delhi, ...	KeAi Communications Co.	25774441
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum to: Measurement of the top quark mass with lepton+jets final states using pp collisions at s = 13 TeV (The European Physical Journal C, (2018), 78, 11, (891), 10.1140/epjc/s10052-018-6332-9)	2022	European Physical Journal C	82	4	323		1	10.1140/epjc/s10052-022-10277-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136436885&doi=10.1140%2fepjc%2fs10052-022-10277-1&partnerID=40&md5=b361dd192d771e4f29f0db13c52320ba	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Sudipta; Mishra S.; Murugavel S.	Biomineralization behavior of ternary mesoporous bioactive glasses stabilized through ethanol extraction process	2022	Journal of Non-Crystalline Solids	589		121630		2	10.1016/j.jnoncrysol.2022.121630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129091586&doi=10.1016%2fj.jnoncrysol.2022.121630&partnerID=40&md5=04517cb168d65f4ea0f164e31a11cccd	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	223093
Thakur S.; Das C.; Chandra S.	Stationary Structures in a Four Component Dense Magnetoplasma With Lateral Perturbations	2022	IEEE Transactions on Plasma Science	50	6		1545	12	10.1109/TPS.2021.3133082	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122104305&doi=10.1109%2fTPS.2021.3133082&partnerID=40&md5=4fdf15c2c1191e95e4343227d3cae95e	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	933813
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for long-lived particles decaying into muon pairs in proton-proton collisions at √s = 13 TeV collected with a dedicated high-rate data stream	2022	Journal of High Energy Physics	2022	4	62		14	10.1007/JHEP04(2022)062	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128344447&doi=10.1007%2fJHEP04%282022%29062&partnerID=40&md5=e5309816285262b49070be1c41ac001d	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Dutta S.; Saini L.K.	Limiting heavy-quark and gluonphilic real dark matter	2022	Physical Review D	106	1	15026		0	10.1103/PhysRevD.106.015026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135932028&doi=10.1103%2fPhysRevD.106.015026&partnerID=40&md5=68160bebf4dfeebd0eaf43f5a4bd11bb	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Goswami K.; Luthra M.; Arora A.K.; Bharadvaja A.; Baluja K.L.	Electron-impact cross sections of acetylene up to 5 keV	2022	European Physical Journal D	76	5	94		2	10.1140/epjd/s10053-022-00420-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130682447&doi=10.1140%2fepjd%2fs10053-022-00420-8&partnerID=40&md5=2fe63c4eb4cc32e16b7d6b691477e72d	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Mohanty S.K.; Kumar S.; Dev A.N.; Deka M.K.; Churikov D.V.; Kravchenko O.V.	An efficient technique of [Formula presented]–expansion method for modified KdV and Burgers equations with variable coefficients	2022	Results in Physics	37		105504		14	10.1016/j.rinp.2022.105504	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129672349&doi=10.1016%2fj.rinp.2022.105504&partnerID=40&md5=d8574ae21cf390c4d99bdc845ccf6345	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	22113797
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Probing Charm Quark Dynamics via Multiparticle Correlations in Pb-Pb Collisions at sNN =5.02 TeV	2022	Physical Review Letters	129	2	22001		1	10.1103/PhysRevLett.129.022001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135202250&doi=10.1103%2fPhysRevLett.129.022001&partnerID=40&md5=d150b9fdbee257d635f4ec714dc62b67	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Borkar H.; Gaikwad V.M.; Choudhary R.J.; Tomar M.; Gupta V.; Kumar A.	Flexomagnetic effects on inhomogeneously strained multiferroics composites	2022	Journal of Magnetism and Magnetic Materials	553		169274		2	10.1016/j.jmmm.2022.169274	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126700464&doi=10.1016%2fj.jmmm.2022.169274&partnerID=40&md5=75a1af69a11adc5d4295cff19ded42f6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3048853

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	First Search for Exclusive Diphoton Production at High Mass with Tagged Protons in Proton-Proton Collisions at s =13 TeV	2022	Physical Review Letters	129	1	11801		8	10.1103/PhysRevLett.129.011801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135620132&doi=10.1103%2fPhysRevLett.129.011801&partnerID=40&md5=982c30ac3d0a347303f1588d3003dafa	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Ansari A.A.; Alhowaity S.; Abouelmagd E.I.; Sahdev S.K.	Analysis of Equilibrium Points in Quantized Hill System	2022	Mathematics	10	13	2186		5	10.3390/math10132186	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133134602&doi=10.3390%2fmath10132186&partnerID=40&md5=347bd2b021a9f2fdbc24f257469822e4	Department of Physics and Astrophysics, University of Delhi, ...	MDPI	22277390
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at √s = 13 TeV	2022	Journal of High Energy Physics	2022	4	48		3	10.1007/JHEP04(2022)048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130323843&doi=10.1007%2fJHEP04%282022%29048&partnerID=40&md5=26ed69e813decdb397ecbdf44f688801	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	5	14		4	10.1007/JHEP05(2022)014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139393836&doi=10.1007%2fJHEP05%282022%29014&partnerID=40&md5=28385b5f337e0577659c657f17ceddd1	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Kumar S.; Kumar P.; Singh N.; Kansal M.K.; Kumar A.; Verma V.	Highly efficient and sustainable MXene based heterostructure composites filled with ferrites and MWCNTs to mitigate the radiation interference in X-band frequency region	2022	Materials Science and Engineering: B	282		115798		3	10.1016/j.mseb.2022.115798	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131436514&doi=10.1016%2fj.mseb.2022.115798&partnerID=40&md5=e9759e386b64516c307f6e0326277286	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9215107
Ghosh A.; Goswami J.; Chandra S.; Das C.; Arya Y.; Chhibber H.	Resonant Interactions and Chaotic Excitation in Nonlinear Surface Waves in Dense Plasma	2022	IEEE Transactions on Plasma Science	50	6		1524	14	10.1109/TPS.2021.3109297	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115141576&doi=10.1109%2fTPS.2021.3109297&partnerID=40&md5=767099b127650082b8d34f0b297d4607	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	933813
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for resonant production of strongly coupled dark matter in proton-proton collisions at 13 TeV	2022	Journal of High Energy Physics	2022	6	156		11	10.1007/JHEP06(2022)156	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133529159&doi=10.1007%2fJHEP06%282022%29156&partnerID=40&md5=f7cfb88e348c321e1ab2c2af85107a82	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Analysis of the CP structure of the Yukawa coupling between the Higgs boson and τ leptons in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	6	12		12	10.1007/JHEP06(2022)012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132110498&doi=10.1007%2fJHEP06%282022%29012&partnerID=40&md5=c7b921167cac64bb62db8caeb58a85ec	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Dawra D.; Dimri M.; Singh A.K.; Jha A.K.S.; Kumar Pandey R.; Mohan M.	Publisher Correction to: Theoretical calculations of the photoionization cross sections for the ground and lowest two excited states of Ni XVIII ion (The European Physical Journal D, (2022), 76, 3, (59), 10.1140/epjd/s10053-022-00362-1)	2022	European Physical Journal D	76	5	74		0	10.1140/epjd/s10053-022-00405-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129446712&doi=10.1140%2fepjd%2fs10053-022-00405-7&partnerID=40&md5=fd68843074c1eba7cb30ba94ea64322b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Kumari M.; Jindal K.; Tomar M.; Jha P.K.	Role of vacancies in tuning the electronic and magnetic properties of BiCoO3	2022	Physica Scripta	97	7	75819		1	10.1088/1402-4896/ac7912	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133184418&doi=10.1088%2f1402-4896%2fac7912&partnerID=40&md5=ff94cc030d683eb6482afa28521612d	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	318949

Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum to: Search for new physics in dijet angular distributions using proton-proton collisions at s = 13 TeV and constraints on dark matter and other models (The European Physical Journal C, (2018), 78, 9, (789), 10.1140/epjc/s10052-018-6242-x)	2022	European Physical Journal C	82	4	379		0	10.1140/epjc/s10052-022-10278-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134024180&doi=10.1140%2fepjc%2fs10052-022-10278-0&partnerID=40&md5=7615afe2d8ff46b6be64388cb634d14e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Suraj M.S.; Alhowaity S.; Aggarwal R.	Fractal basins of convergence in the restricted rhomboidal six-body problem	2022	New Astronomy	94		101798		2	10.1016/j.newast.2022.101798	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125376217&doi=10.1016%2fj.newast.2022.101798&partnerID=40&md5=6d42913bc06b43691021191fdd1a6366	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13841076
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the inclusive t t ¯ production cross section in proton-proton collisions at √s = 5.02 TeV	2022	Journal of High Energy Physics	2022	4	144		6	10.1007/JHEP04(2022)144	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131363305&doi=10.1007%2fJHEP04%282022%29144&partnerID=40&md5=29b6f1d2a795599ab3008aaf99289562	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for resonances decaying to three W bosons in the hadronic final state in proton-proton collisions at s =13 TeV	2022	Physical Review D	106	1	12002		2	10.1103/PhysRevD.106.012002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135447043&doi=10.1103%2fPhysRevD.106.012002&partnerID=40&md5=45969629767361f571802fbc5db3c81d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Observation of the Bc+ Meson in Pb-Pb and pp Collisions at sNN =5.02 TeV and Measurement of its Nuclear Modification Factor	2022	Physical Review Letters	128	25	252301		2	10.1103/PhysRevLett.128.252301	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134350004&doi=10.1103%2fPhysRevLett.128.252301&partnerID=40&md5=b52e3dcf77450c65ac6ef1ccad3708e1	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Dutta S.; Goyal A.; Kumar M.; Swain A.K.	Measuring CP nature of hττ¯ coupling at e-p collider	2022	European Physical Journal C	82	6	530		0	10.1140/epjc/s10052-022-10445-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132074098&doi=10.1140%2fepjc%2fs10052-022-10445-3&partnerID=40&md5=167239410ca557a13deab4f4413b6eac	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for new physics in the lepton plus missing transverse momentum final state in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	7	67		16	10.1007/JHEP07(2022)067	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134197782&doi=10.1007%2fJHEP07%282022%29067&partnerID=40&md5=3560639573cffcfcd3f9d83469e34afb	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Chakraborty I.; Roy H.; Srivastava T.	Resonant leptogenesis in (2,2) inverse see-saw realisation	2022	Nuclear Physics B	979		115780		3	10.1016/j.nuclphysb.2022.115780	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128189588&doi=10.1016%2fj.nuclphysb.2022.115780&partnerID=40&md5=ac546eb883389e63dd68caa6fc3f55d4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	5503213
Deb N.K.; Kalita K.; ...; Parihari A.; ...	Investigation of isotopic dependence on the O + Ni fusion cross section near barrier energies	2022	Physical Review C	105	5	54608		0	10.1103/PhysRevC.105.054608	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131294963&doi=10.1103%2fPhysRevC.105.054608&partnerID=40&md5=eb5fbc3af911d8102b3915dd38e05a12	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the inclusive and differential WZ production cross sections, polarization angles, and triple gauge couplings in pp collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	7	32		11	10.1007/JHEP07(2022)032	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135977210&doi=10.1007%2fJHEP07%282022%29032&partnerID=40&md5=d9fb670f77ca1dc269b615e0ad82dfef	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at √s = 13 TeV	2022	Journal of High Energy Physics	2022	5	5		3	10.1007/JHEP05(2022)005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139404939&doi=10.1007%2fJHEP05%282022%29005&partnerID=40&md5=337a45193d2aa55e745c64efc29d7370	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Noor S.; Kalkal S.; ...; Parihari A.	Channel coupling effects in interactions of 19 F with 64 , 68 Zn at energies around the Coulomb barrier	2022	European Physical Journal A	58	7	129		0	10.1140/epja/s10050-022-00783-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134202015&doi=10.1140%2fepja%2fs10050-022-00783-x&partnerID=40&md5=88c2d44f322fafcd98ded083915d5b3f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346001
Arti; Gupta R.; Singh S.P.; Walia R.; Kumar V.; Verma V.	Modification in photovoltaic and photocatalytic properties of bismuth ferrites by tailoring band-gap and ferroelectric properties	2022	Journal of Alloys and Compounds	908		164602		13	10.1016/j.jallcom.2022.164602	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126862421&doi=10.1016%2fj.jallcom.2022.164602&partnerID=40&md5=da47c90302401c1ba94aff87bd88f624	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Pandey V.; Adiba A.; Ahmad T.; Nehla P.; Munjal S.	Forming-free bipolar resistive switching characteristics in Al/Mn3O4/FTO RRAM device	2022	Journal of Physics and Chemistry of Solids	165		110689		9	10.1016/j.jpcs.2022.110689	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126563334&doi=10.1016%2fj.jpcs.2022.110689&partnerID=40&md5=ec47a17769cc131f77add58cac203c1f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697
Kumar S.; Shukla A.K.; Sreenivas K.	Overlapping large polaron tunnelling (OLPT) type conduction mechanism in magnesium ferrite (MgFe2O4) ceramics	2022	Applied Physics A: Materials Science and Processing	128	5	381		0	10.1007/s00339-022-05481-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128082280&doi=10.1007%2fs00339-022-05481-5&partnerID=40&md5=e22832940c50cc0cac7a51331e33197d	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9478396
Sankaran S.S.; Dhanasekaran R.; Kumar B.; Durairajan A.; Valente M.A.; Devaraj Stephen L.	Study on growth, optical and dielectric properties of 'Nd' DOPED NBT-BT (0.94(Na0.5Bi0.5tio3)-0.06batio3) relaxor ferroelectric single crystals	2022	Journal of Electroceramics	48	3		143	0	10.1007/s10832-022-00282-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127601420&doi=10.1007%2fs10832-022-00282-x&partnerID=40&md5=7bcf06223463e50f6c47b697a5743ef1	Department of Physics and Astrophysics, University of Delhi, ...	Springer	13853449
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Identification of hadronic tau lepton decays using a deep neural network	2022	Journal of Instrumentation	17	7	P07023		12	10.1088/1748-0221/17/07/P07023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135918744&doi=10.1088%2f1748-0221%2f17%2f07%2fP07023&partnerID=40&md5=2f4fb843d421d3a3e7f1725550b221c2	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	17480221
Gupta G.; Rath S.	Microstructural investigations of green-synthesized wurtzite-phase ZnMgO nanopowders and their defect-mediated ferromagnetism	2022	Materials Research Bulletin	148		111671		6	10.1016/j.materresbull.2021.111671	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120957452&doi=10.1016%2fj.materresbull.2021.111671&partnerID=40&md5=2c1c1ce45d4dbc823fa53ee7ff13b2ae	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	255408
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the inclusive and differential t t¯γ cross sections in the dilepton channel and effective field theory interpretation in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	5	91		10	10.1007/JHEP05(2022)091	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130229019&doi=10.1007%2fJHEP05%282022%29091&partnerID=40&md5=bab13563285b0f856b3d7f88b6fdc7f8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Kumarasamy S.; Srinivasan S.; Gogoi P.B.; Prasad A.	Emergence of extreme events in coupled systems with time-dependent interactions	2022	Communications in Nonlinear Science and Numerical Simulation	107		106170		8	10.1016/j.cnsns.2021.106170	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121296695&doi=10.1016%2fj.cnsns.2021.106170&partnerID=40&md5=13472b95e4751647d9b83d3df0967ddb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	10075704

Yadav J.; Safvan C.P.; Bhatt P.; Kumari P.; Kumar A.; Rajput J.	Hydrogen migration in triply charged acetylene	2022	Journal of Chemical Physics	156	14	141101		3	10.1063/5.0086427	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128487437&doi=10.1063%2f5.0086427&partnerID=40&md5=70aa21f83cc097f52ded9f8bce2107fe	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	219606
Lakaal K.; Kria M.; El Hamdaoui J.; Varsha; Prasad V.; Nautiyal V.V.; El-Yadri M.; Pérez L.M.; Laroze D.; Feddi E.	Polaronic corrections on magnetization and thermodynamic properties of electron–electron in 2D systems with Rashba spin–orbit coupling	2022	Journal of Magnetism and Magnetic Materials	551		169042		3	10.1016/j.jmmm.2022.169042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124266592&doi=10.1016%2fj.jmmm.2022.169042&partnerID=40&md5=2c325f1eb77b7c39b426e3f5ca5bfa05	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3048853
Moditma; Malik R.; Reddy V.R.; Vas J.V.; Medwal R.; Annapoorni S.	Designed Synthesis of FexCo100-xAlloy Nanoparticles by Polyol Reduction: An Evolution of Structural, Morphological and Magnetic Properties	2022	IEEE Transactions on Magnetics	58	8	2301206		1	10.1109/TMAG.2022.3151884	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124838130&doi=10.1109%2fTMAG.2022.3151884&partnerID=40&md5=92017a8496d2928d22e25fa9bc35db4a	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	189464
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	4	91		6	10.1007/JHEP04(2022)091	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132558446&doi=10.1007%2fJHEP04%282022%29091&partnerID=40&md5=3e1fedcb2baf48275e404082c0ee14e4	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sharma P.; Jain C.; Dutta A.	Discovery of cyclotron and narrow Fe Kαlines in HMXB GRO J1750-27	2022	Monthly Notices of the Royal Astronomical Society: Letters	513	1		L94	2	10.1093/mnrasl/slac041	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130485437&doi=10.1093%2fmnrasl%2fslac041&partnerID=40&md5=cc24cadae983ba42ab0cf8f040e0b4df	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	17453925
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for charged-lepton flavor violation in top quark production and decay in pp collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	6	82		6	10.1007/JHEP06(2022)082	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137075947&doi=10.1007%2fJHEP06%282022%29082&partnerID=40&md5=5530c0650b74726956d0e63d0d5c6d71	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Suraj M.S.; Dubeibe F.L.; Aggarwal R.; Asique M.C.	On the beyond-Newtonian collinear circular restricted (3 + 1) -body problem with spinning primaries	2022	Astrophysics and Space Science	367	6	55		1	10.1007/s10509-022-04081-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131153852&doi=10.1007%2fs10509-022-04081-2&partnerID=40&md5=fdb61f8be0617bf60cc1f2930ceaab45	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media B.V.	0004640X
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton–proton collisions at √s=13TeV	2022	European Physical Journal C	82	4	290		14	10.1140/epjc/s10052-022-10127-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128259506&doi=10.1140%2fepjc%2fs10052-022-10127-0&partnerID=40&md5=4e9b473c51b9111ec032eb3f73a888f7	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Yadav G.; Paliwal A.; Gupta V.; Tomar M.	Optical Confinement Study of Laser MBE Grown InGaN/GaN Quantum Well Structure using Surface Plasmon Resonance Technique	2022	Plasmonics	17	2		869	3	10.1007/s11468-021-01578-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122677006&doi=10.1007%2fs11468-021-01578-4&partnerID=40&md5=c2d6e1e49d39d890faa904810ec5fd77	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571955
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for strongly interacting massive particles generating trackless jets in proton–proton collisions at √s=13TeV	2022	European Physical Journal C	82	3	213		3	10.1140/epjc/s10052-022-10095-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141009993&doi=10.1140%2fepjc%2fs10052-022-10095-5&partnerID=40&md5=22d141bd6a85b74e9582ff02812e92af	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Ashanujjaman S.; Choudhury D.; Ghosh K.	Search for exotic leptons in final states with two or three leptons and fat-jets at 13 TeV LHC	2022	Journal of High Energy Physics	2022	4	150		7	10.1007/JHEP04(2022)150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128910010&doi=10.1007%2fJHEP04%282022%29150&partnerID=40&md5=bb907afe9b7f38cc286283b66e64c5c0	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the production cross section for Z+b jets in proton-proton collisions at s =13 TeV	2022	Physical Review D	105	9	92014		4	10.1103/PhysRevD.105.092014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132573375&doi=10.1103%2fPhysRevD.105.092014&partnerID=40&md5=abd3dbe957175024c7aade0334058aeb	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for single production of a vector-like T quark decaying to a top quark and a Z boson in the final state with jets and missing transverse momentum at √s = 13 TeV	2022	Journal of High Energy Physics	2022	5	93		5	10.1007/JHEP05(2022)093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132246617&doi=10.1007%2fJHEP05%282022%29093&partnerID=40&md5=c44a1daf67bba449cc60a54d5a599437	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Nagpal R.; Pacif S.K.J.; Parida A.	Reconstructing cosmic evolution with a density parametrization	2022	Modern Physics Letters A	37	18	2250112		1	10.1142/S0217732322501127	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135771346&doi=10.1142%2fS0217732322501127&partnerID=40&md5=3ef1517e06db2a9f71c027b9e85b2f25	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2177323
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Precision measurement of the W boson decay branching fractions in proton-proton collisions at s =13 TeV	2022	Physical Review D	105	7	72008		6	10.1103/PhysRevD.105.072008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130262791&doi=10.1103%2fPhysRevD.105.072008&partnerID=40&md5=d97d643c22bb23b5bad0b38f34d75a08	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Wγ resonances in proton-proton collisions at s=13 TeV using hadronic decays of Lorentz-boosted W bosons	2022	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	826		136888		2	10.1016/j.physletb.2022.136888	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123911583&doi=10.1016%2fj.physletb.2022.136888&partnerID=40&md5=a6dd5db9a796dc9ffd02c2972eb0a6f5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Jain S.; Paliwal A.; Gupta V.; Tomar M.	Smartphone integrated handheld Long Range Surface Plasmon Resonance based fiber-optic biosensor with tunable SiO2 sensing matrix	2022	Biosensors and Bioelectronics	201		113919		10	10.1016/j.bios.2021.113919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122634594&doi=10.1016%2fj.bios.2021.113919&partnerID=40&md5=de88efec30c1af9ed4a464c9ff401689	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9565663
Sharma R.; Goyal A.	Strongly coupled plasma effect on excitation energies of O-like ions and photoionization of F-like ions	2022	Indian Journal of Physics	96	6		1829	1	10.1007/s12648-021-02106-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105400396&doi=10.1007%2fs12648-021-02106-0&partnerID=40&md5=39b8d65d576f2bdb825d905dde188efc	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9731458
Joshi H.; Naja M.; Srivastava P.; Gupta T.; Gogoi M.M.; Suresh Babu S.	Long-Term Trends in Black Carbon and Aerosol Optical Depth Over the Central Himalayas: Potential Causes and Implications	2022	Frontiers in Earth Science	10		851444		2	10.3389/feart.2022.851444	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133699365&doi=10.3389%2ffeart.2022.851444&partnerID=40&md5=0016c39015e3c90f90b9959b7956e2d5	Department of Physics and Astrophysics, University of Delhi, ...	Frontiers Media S.A.	22966463
Prakash S.; Kumar R.; Gupta A.; Chaudhary A.; Chandaliya V.K.; Dash P.S.; Gurunathan P.; Ramesha K.; Kumari S.; Dhakate S.R.	A process for developing spherical graphite from coal tar as high performing carbon anode for Li-ion batteries	2022	Materials Chemistry and Physics	281		125836		5	10.1016/j.matchemphys.2022.125836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124979184&doi=10.1016%2fj.matchemphys.2022.125836&partnerID=40&md5=a876ca66b3b8fbc6437511e2c980ff88	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Jamdegni M.; Kaur A.	Review - Polymeric/Small Organic Molecules-Based Electrochromic Devices: How Far Toward Realization	2022	Journal of the Electrochemical Society	169	3	30541		6	10.1149/1945-7111/ac5c04	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128164233&doi=10.1149%2f1945-7111%2fac5c04&partnerID=40&md5=c1bbe1cf6bef3b18e4c6be581dcaa900	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	134651

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for electroweak production of charginos and neutralinos in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	4	147		16	10.1007/JHEP04(2022)147	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140827497&doi=10.1007%2fJHEP04%282022%29147&partnerID=40&md5=8f845061cc3da9b1983bf5f04c8f2f1b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Dev K.; Kaur R.; Vashisht G.; Sulania I.; Annapoorni S.	Magnetization Reversal Behavior in Electrodeposited Fe-Co-Ni Thin Films	2022	IEEE Transactions on Magnetics	58	8	6501207		1	10.1109/TMAG.2022.3159562	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126559563&doi=10.1109%2fTMAG.2022.3159562&partnerID=40&md5=7fe2f4fc3dd8b2db9349d19072ffb6c3	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	189464
Suraj M.S.; Alhowaity S.; Aggarwal R.; Asique M.C.; Mittal A.; Jain M.	On the topology of basins of convergence linked to libration points in the modified R3BP with oblateness	2022	New Astronomy	94		101776		4	10.1016/j.newast.2022.101776	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125401763&doi=10.1016%2fj.newast.2022.101776&partnerID=40&md5=8351b32f5383bce372a644a1ed70ca7b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13841076
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for long-lived heavy neutral leptons with displaced vertices in proton-proton collisions at √s =13 TeV	2022	Journal of High Energy Physics	2022	7	81		14	10.1007/JHEP07(2022)081	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136307960&doi=10.1007%2fJHEP07%282022%29081&partnerID=40&md5=56d80d833669d25b99886278f96c047f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Tamta S.; Dahiya A.; Kumar P.S.	Modified Stöber synthesis of SiO2@Ag nanocomposites and their enhanced refractive index sensing applications	2022	Physica B: Condensed Matter	638		413971		4	10.1016/j.physb.2022.413971	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130326637&doi=10.1016%2fj.physb.2022.413971&partnerID=40&md5=27ffbed2634758da8e5702c984351682	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9214526
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Inclusive nonresonant multilepton probes of new phenomena at s =13 TeV	2022	Physical Review D	105	11	112007		19	10.1103/PhysRevD.105.112007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133908962&doi=10.1103%2fPhysRevD.105.112007&partnerID=40&md5=d2da64fa38f438f8f7ed69fb706e3d01	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kakkar A.; Sarkar S.	On partition functions and phases of scalars in AdS	2022	Journal of High Energy Physics	2022	7	89		2	10.1007/JHEP07(2022)089	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134223589&doi=10.1007%2fJHEP07%282022%29089&partnerID=40&md5=c7c54e6a77aa4535c58d0c3ebcb8265f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Gupta V.; Singh P.; Thapa K.B.; Kumar L.	Theoretical Investigation of Coupling of Surface Plasmons in One-dimensional Periodic Structure of SiO2 and TiO2 with Defect of Nanocomposite of Liquid Crystals and Core–Shell Nanoparticles	2022	Plasmonics	17	4		1791	0	10.1007/s11468-022-01666-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131592265&doi=10.1007%2fs11468-022-01666-z&partnerID=40&md5=52050656df74f70e2770d0edf90dc02f	Department of Physics and Astrophysics, University of Delhi, ...	Springer	15571955
Suraj M.S.; Aggarwal R.; Asique M.C.; Mittal A.	The influence of third order terms on basins of convergence in the Hénon–Heiles type system	2022	New Astronomy	94		101761		0	10.1016/j.newast.2021.101761	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124184309&doi=10.1016%2fj.newast.2021.101761&partnerID=40&md5=6571c0722199bd22f519f10df4bf89ac	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13841076
Dahiya A.; Gupta K.K.; Singh S.S.	Equation of State of Magnetized PNJL Model in Finite Chemical Potential	2022	Physics of Particles and Nuclei	53	2		354	1	10.1134/S1063779622020101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132675622&doi=10.1134%2fS1063779622020101&partnerID=40&md5=ff4234f3000ad7a0f8f485bd18893fc0	Department of Physics and Astrophysics, University of Delhi, ...	Pleiades journals	10637796
Roy I.; Krishnan S.; Kabashin A.V.; Zavestovskaya I.N.; Prasad P.N.	Transforming Nuclear Medicine with Nanoradiopharmaceuticals	2022	ACS Nano	16	4		5036	16	10.1021/acsnano.1c10550	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127325248&doi=10.1021%2facsnano.1c10550&partnerID=40&md5=e12e085ee1f203da5e80db442eea0609	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	19360851

Goswami K.; Luthra M.; Arora A.K.; Bharadvaja A.; Baluja K.L.	Electron impact partial ionization cross sections of 1-butanol	2022	European Physical Journal D	76	5	97		4	10.1140/epjd/s10053-022-00425-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130983350&doi=10.1140%2fepjd%2fs10053-022-00425-3&partnerID=40&md5=a214636dfedd1ffbae9ad231dedd1fe4	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Sachan P.; Suraj M.S.; Aggarwal R.; Asique M.C.; Mittal A.	On the axisymmetric restricted five-body problem within the frame of variable mass: The convex case	2022	New Astronomy	92		101697		1	10.1016/j.newast.2021.101697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117401496&doi=10.1016%2fj.newast.2021.101697&partnerID=40&md5=ece52808ce534294225af3d7c93574e4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13841076
Parveen S.; Sehrawat P.; Hashmi S.A.	Triglyme-based solvate ionic liquid gelled in a polymer: A novel electrolyte composition for sodium ion battery	2022	Materials Today Communications	31		103392		7	10.1016/j.mtcomm.2022.103392	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126609358&doi=10.1016%2fj.mtcomm.2022.103392&partnerID=40&md5=295dcb3ef5b7a04d4964bba3b3180b15	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Alnajar M.H.; Kumar B.	Comparative investigation on the Di-/ferro-electric and optical properties of Ce/Nd dual doped ZnO nanostructures prepared in different reaction mechanisms	2022	Physica E: Low-Dimensional Systems and Nanostructures	139		115110		8	10.1016/j.physe.2021.115110	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122779781&doi=10.1016%2fj.physe.2021.115110&partnerID=40&md5=9b8ed369f5cbb16bca37e6d58642ecaf	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13869477
Kumar N.; Nomura T.; Okada H.	A multi-charged particle model with local U(1)μ-τ to explain muon g-2, flavor physics, and possible collider signature * * This research was supported by an appointment to the JRG Program at the APCTP through the Science and Technology Promotion Fund and Lottery Fund of the Korean Government	2022	Chinese Physics C	46	4	43106		3	10.1088/1674-1137/ac425a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145004590&doi=10.1088%2f1674-1137%2fac425a&partnerID=40&md5=95a4abaa27e103e688637cf07e2f7c92	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	16741137
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Observation of B0 → ψ(2S)K0Sπ+π− and B0S → ψ(2S)K0S decays	2022	European Physical Journal C	82	5	499		1	10.1140/epjc/s10052-022-10315-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131177055&doi=10.1140%2fepjc%2fs10052-022-10315-y&partnerID=40&md5=9f1bec6e5c133e292d618df9dc654ad8	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Dey P.; Negi D.; ...; Devi K.R.; ...; Neelam; ...	Experimental investigation of high-spin states in Zr 90	2022	Physical Review C	105	4	44307		3	10.1103/PhysRevC.105.044307	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129452667&doi=10.1103%2fPhysRevC.105.044307&partnerID=40&md5=5d50dd0f32468e57a6a42eacdab11fe3	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Dahiya A.; Kumar P.S.	Electron energy-loss spectroscopy investigation of multipolar behavior in Al nanostructure as a function of surface coating with PVP and oxidation	2022	Materials Today Communications	31		103668		1	10.1016/j.mtcomm.2022.103668	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134011870&doi=10.1016%2fj.mtcomm.2022.103668&partnerID=40&md5=f4c15e681d5f47a7823a4b5eb7f7d124	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for invisible decays of the Higgs boson produced via vector boson fusion in proton-proton collisions at s =13 TeV	2022	Physical Review D	105	9	92007		40	10.1103/PhysRevD.105.092007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131676956&doi=10.1103%2fPhysRevD.105.092007&partnerID=40&md5=037c8e6a9bc733450f93acbee4f44925	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Garkoti P.; Luthra M.; Goswami K.; Bharadvaja A.; Baluja K.L.	The Binary-Encounter-Bethe Model for Computation of Singly Differential Cross Sections Due to Electron-Impact Ionization	2022	Atoms	10	2	60		4	10.3390/atoms10020060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132030321&doi=10.3390%2fatoms10020060&partnerID=40&md5=7788d2d066f300cc7a8a5bb498ebf549	Department of Physics and Astrophysics, University of Delhi, ...	MDPI	22182004

Bhat M.Y.; Hashmi S.A.	Mixture of non-ionic and organic ionic plastic crystals immobilized in poly(vinylidene fluoride-co-hexafluoropropylene): A flexible gel polymer electrolyte composition for high performance carbon supercapacitors	2022	Journal of Energy Storage	51		104514		14	10.1016/j.est.2022.104514	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127337752&doi=10.1016%2fj.est.2022.104514&partnerID=40&md5=a1ef0aca3a765dbfc3b4fb3b3fb3afe1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	4	47		9	10.1007/JHEP04(2022)047	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130260327&doi=10.1007%2fJHEP04%282022%29047&partnerID=40&md5=28aef6a0208be8e6f30c94cea2438706	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Ali M.; Tsud N.; Meena S.S.; Murugavel S.	Size dependent electronic structure of LiFePO4 probed using X-ray absorption and Mössbauer spectroscopy	2022	Physical Chemistry Chemical Physics	24	16		9695	1	10.1039/d2cp00411a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128740963&doi=10.1039%2fd2cp00411a&partnerID=40&md5=5bf57258d73b91310b7d0b4294b01f1a	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076
Kumar P.; Singh N.; Kumar P.; Verma V.	Nanocomposite based hydroelectric cells: Working principle and production of green electrical energy	2022	Inorganic Chemistry Communications	141		109515		6	10.1016/j.inoche.2022.109515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129530729&doi=10.1016%2fj.inoche.2022.109515&partnerID=40&md5=04ca4ce61e8e194498e535dfd64b88fa	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13877003
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions	2022	Physical Review Letters	128	12	122301		13	10.1103/PhysRevLett.128.122301	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127876558&doi=10.1103%2fPhysRevLett.128.122301&partnerID=40&md5=ef0084cd2b2bfdfc95bf3f73acae7cc1	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Observation of Bs 0 mesons and measurement of the Bs 0/B+ yield ratio in PbPb collisions at [Formula presented] TeV	2022	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	829		137062		4	10.1016/j.physletb.2022.137062	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129387077&doi=10.1016%2fj.physletb.2022.137062&partnerID=40&md5=dcc37d4771ca02a80f25ba8ca285111f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Flavor-Changing Neutral Current Interactions of the Top Quark and Higgs Boson in Final States with Two Photons in Proton-Proton Collisions at s =13 TeV	2022	Physical Review Letters	129	3	32001		9	10.1103/PhysRevLett.129.032001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135214262&doi=10.1103%2fPhysRevLett.129.032001&partnerID=40&md5=ad74e91a414d32cdc1c6651c8c4f7cac	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Resonances Decaying to Three W Bosons in Proton-Proton Collisions at s =13 TeV	2022	Physical Review Letters	129	2	21802		5	10.1103/PhysRevLett.129.021802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134023629&doi=10.1103%2fPhysRevLett.129.021802&partnerID=40&md5=f7f03da7e3ac2afd74ca1060fd1ad832	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Gambhir M.; Varsha; Prasad V.	Pressure- and temperature-dependent EIT studies in a parabolic quantum dot coupled with excitonic effects in a static magnetic field	2022	Pramana - Journal of Physics	96	2	81		1	10.1007/s12043-022-02326-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128089667&doi=10.1007%2fs12043-022-02326-x&partnerID=40&md5=5ec30c44096355a4556b90143c00927c	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3044289
Yadav G.; Dewan S.; Tomar M.	Electroluminescence study of InGaN/GaN QW based p-i-n and inverted p-i-n junction based short-wavelength LED device using laser MBE technique	2022	Optical Materials	126		112149		7	10.1016/j.optmat.2022.112149	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125491916&doi=10.1016%2fj.optmat.2022.112149&partnerID=40&md5=2e102db54d6cf6cfdb37bc89303453af	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9253467

Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum to: Measurement of exclusive Y photoproduction from protons in pPb collisions at s NN = 5.02 TeV (The European Physical Journal C, (2019), 79, 3, (277), 10.1140/epjc/s10052-019-6774-8)	2022	European Physical Journal C	82	4	343		0	10.1140/epjc/s10052-022-10276-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128719087&doi=10.1140%2fepjc%2fs10052-022-10276-2&partnerID=40&md5=971b022cb9ee22f9d87b712f475c817f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at √s = 13 TeV	2022	Journal of High Energy Physics	2022	4	87		9	10.1007/JHEP04(2022)087	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128364266&doi=10.1007%2fJHEP04%282022%29087&partnerID=40&md5=987e881562bfd3b37a9a226da94a57d3	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Jusufi K.; Kumar S.; Azreg-Aïnou M.; Jamil M.; Wu Q.; Bambi C.	Constraining wormhole geometries using the orbit of S2 star and the Event Horizon Telescope	2022	European Physical Journal C	82	7	633		10	10.1140/epjc/s10052-022-10603-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134662230&doi=10.1140%2fepjc%2fs10052-022-10603-7&partnerID=40&md5=92588443a16c33a90e64068405c4143e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346044
Joshi A.; Pandey J.C.; Rawat N.; Raj A.; Wang W.; Singh H.P.	Optical Characterization of Two Cataclysmic Variables: RBS 0490 and SDSS J075939.79+191417.3	2022	Astronomical Journal	163	5	221		0	10.3847/1538-3881/ac6026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129624274&doi=10.3847%2f1538-3881%2fac6026&partnerID=40&md5=f3537c62f0cb2c9fa81eb5cedcabf88a	Department of Physics and Astrophysics, University of Delhi, ...	American Astronomical Society	46256
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for heavy resonances decaying to Z (v v ¯)V (q q ¯ ′) in proton-proton collisions at s =13 TeV	2022	Physical Review D	106	1	12004		1	10.1103/PhysRevD.106.012004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136131307&doi=10.1103%2fPhysRevD.106.012004&partnerID=40&md5=50f924c60a212d25d4857fee459d4dc5	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kumar A.; Jamdegni M.; Kaur A.	Study of electrochromic behavior of the supporting electrolyte free electrochromic devices based on the graphene quantum dots functionalized viologens for energy-saving smart window application	2022	Synthetic Metals	287		117084		1	10.1016/j.synthmet.2022.117084	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129108857&doi=10.1016%2fj.synthmet.2022.117084&partnerID=40&md5=32630502cdcee88d994433923115f69f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	3796779
Hor A.A.; Yadav N.; Hashmi S.A.	High-Energy-Density 3.5 v Carbon Supercapacitor Fabricated with Ionic-Liquid-Incorporated Redox-Active Gel Polymer Electrolyte	2022	ACS Applied Energy Materials	5	6		7627	5	10.1021/acsaem.2c01098	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133373411&doi=10.1021%2facsaem.2c01098&partnerID=40&md5=153239019a8a3d98ee415d4da7466323	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	25740962
Ahmed A.; Kumar A.; Naimuddin Md.; Babij M.; Bielowka P.	The qualification of GEM detector and its application to imaging	2022	Journal of Instrumentation	17	4	P04002		3	10.1088/1748-0221/17/04/P04002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128763034&doi=10.1088%2f1748-0221%2f17%2f04%2fP04002&partnerID=40&md5=ccd731b2235364a36d40d2843b5b4afb	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	17480221
Madhu; Yadav K.; ...; Kumar S.; ...	Evolution of nuclear structure through isomerism in Fr 216	2022	Physical Review C	105	3	34308		3	10.1103/PhysRevC.105.034308	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126696882&doi=10.1103%2fPhysRevC.105.034308&partnerID=40&md5=a3a7bbda185415b62750ffa92bf479b3	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sen K.D.; Kumar K.; Yadav C.; Prasad V.	Multipole polarizabilities and dipole oscillator strengths of H-atom in nonideal classical plasmas	2022	European Physical Journal Plus	137	1	78		15	10.1140/epjp/s13360-021-02288-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122182917&doi=10.1140%2fepjp%2fs13360-021-02288-w&partnerID=40&md5=745c2d99797142b15da1e4701429fb08	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	21905444

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for long-lived particles decaying to leptons with large impact parameter in proton–proton collisions at √s=13Te	2022	European Physical Journal C	82	2	153		18	10.1140/epjc/s10052-022-10027-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127289934&doi=10.1140%2fepjc%2fs10052-022-10027-3&partnerID=40&md5=e9a924c09cff497dde941670f6ab38c2	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Jarwal B.; Singh S.S.	Modified amplitude of boson star rotation by the cosmological constant and coupling term of the curvature of the Universe	2022	Pramana - Journal of Physics	96	1	11		0	10.1007/s12043-021-02262-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121543684&doi=10.1007%2fs12043-021-02262-2&partnerID=40&md5=15dc2472d116e7701d0b4f313d7b0cad	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3044289
Suraj M.S.; Aggarwal R.; Asique M.C.; Shalini K.	The study of Newton–Raphson basins of convergence in the three-dipole problem	2022	Nonlinear Dynamics	107	1		829	1	10.1007/s11071-021-07029-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119505589&doi=10.1007%2fs11071-021-07029-3&partnerID=40&md5=a7a1731bdcf8fa0ca8682109b82ccaf1	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media B.V.	0924090X
Rai N.K.; Gandhi A.; ...; Parihari A.; Kumar A.	Inference on fission timescale from neutron multiplicity measurement in 18O + 184W	2022	Journal of Physics G: Nuclear and Particle Physics	49	3	35103		2	10.1088/1361-6471/ac4b3f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125704021&doi=10.1088%2f1361-6471%2fac4b3f&partnerID=40&md5=1799369c6ba871c2e0a0a27aa27f22af	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9543899
Sirunyan A.M.; Tumasyan A.; …; Bhardwaj A.; Choudhary B.C.; …Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	A new calibration method for charm jet identification validated with proton-proton collision events at √s = 13TeV	2022	Journal of Instrumentation	17	3	P03014		7	10.1088/1748-0221/17/03/P03014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127541495&doi=10.1088%2f1748-0221%2f17%2f03%2fP03014&partnerID=40&md5=87965090e1faa63c9e191a2e3fc7ea97	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	17480221
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at √s = 13 TeV	2022	Journal of High Energy Physics	2022	2	169		10	10.1007/JHEP02(2022)169	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169471808&doi=10.1007%2fJHEP02%282022%29169&partnerID=40&md5=d74b5e8600cb7edf9ab60e3856d46a30	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Newmai M.B.; Verma M.; Dahiya A.; Kumar P.S.	Monomer driven growth of catalytically active AgAu plasmonic nanoalloys	2022	Journal of Physics and Chemistry of Solids	161		110371		1	10.1016/j.jpcs.2021.110371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115892244&doi=10.1016%2fj.jpcs.2021.110371&partnerID=40&md5=5f07eaedc5968beb13af61890dea4817	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697
Singh K.P.; Kushwaha P.; Sinha A.; Pal M.; Agarwal A.; Dewangan G.C.	Spectral States of OJ 287 blazar from Multiwavelength Observations with AstroSat	2022	Monthly Notices of the Royal Astronomical Society	509	2		2696	8	10.1093/mnras/stab3161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121280652&doi=10.1093%2fmnras%2fstab3161&partnerID=40&md5=f0a52abd784450f7fb88e0018dce0504	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of τ Leptons in pp Collisions at s =13 TeV	2022	Physical Review Letters	128	8	81805		10	10.1103/PhysRevLett.128.081805	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126414137&doi=10.1103%2fPhysRevLett.128.081805&partnerID=40&md5=e0cd64b0eb7710a74f83189c8a253f43	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Yadav K.; Deo A.Y.; ...; Kumar S.; ...	Level structure in the transitional nucleus Fr 215	2022	Physical Review C	105	3	34307		5	10.1103/PhysRevC.105.034307	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126676711&doi=10.1103%2fPhysRevC.105.034307&partnerID=40&md5=32c119c0ffd29dda7c815012c222b5cd	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985

Singh A.; Monga S.; Sharma N.; Sreenivas K.; Katiyar R.S.	Ferroelectric, Piezoelectric Mechanism and Applications	2022	Journal of Asian Ceramic Societies	10	2		275	3	10.1080/21870764.2022.2075618	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135037380&doi=10.1080%2f21870764.2022.2075618&partnerID=40&md5=b19d58e321a6ad5ce7521d2d038a6dc9	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	21870764
Das S.; Sur S.	On the quantum origin of potentials	2022	European Physical Journal Plus	137	1	75		4	10.1140/epjp/s13360-021-02293-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122085257&doi=10.1140%2fepjp%2fs13360-021-02293-z&partnerID=40&md5=9a44433bf422a5866866e4de0c05e0a0	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	21905444
Dawra D.; Dimri M.; Singh A.K.; Jha A.K.S.; Pandey R.K.; Mohan M.	Theoretical calculations of the photoionization cross sections for the ground and lowest two excited states of Ni XVIII ion	2022	European Physical Journal D	76	3	59		0	10.1140/epjd/s10053-022-00362-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127271360&doi=10.1140%2fepjd%2fs10053-022-00362-1&partnerID=40&md5=db5a4e99b42692f9f51827a031660ab3	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Verma M.; Tanwar A.; Haridas D.; Menon R.; Sreenivas K.	Conduction mechanism in excess Bismuth doped Strontium Bismuth Niobate ceramics	2022	Journal of Solid State Chemistry	307		122825		2	10.1016/j.jssc.2021.122825	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121780654&doi=10.1016%2fj.jssc.2021.122825&partnerID=40&md5=b08a50829979e11fb0e5bd8024fef566	Department of Physics and Astrophysics, University of Delhi, ...	Academic Press Inc.	224596
Chadha N.; Bhat M.Y.; Hashmi S.A.; Saini P.	Fe3O4/graphene-oxide/chitosan hybrid aerogel based high performance supercapacitor: effect of aqueous electrolytes on storage capacity & cell stability	2022	Journal of Energy Storage	46		103789		17	10.1016/j.est.2021.103789	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121917472&doi=10.1016%2fj.est.2021.103789&partnerID=40&md5=3629215d0e840a2a2866b648717aeec2	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X
Gupta R.; Gupta R.; Sharma S.C.	Polarization Reversal of Oblique Electromagnetic Wave in Collisional Beam-Hydrogen Plasma	2022	Progress In Electromagnetics Research C	127			49	0	10.2528/PIERC22092526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142617548&doi=10.2528%2fPIERC22092526&partnerID=40&md5=aac6333d52d9f5743f84827b3673eb55	Department of Physics and Astrophysics, University of Delhi, ...	Electromagnetics Academy	19378718
Korčáková D.; Sestito F.; Manset N.; Kroupa P.; Votruba V.; Šlechta M.; Danford S.; DvoåÁková N.; Raj A.; Chojnowski S.D.; Singh H.P.	First detection of a magnetic field in low-luminosity B[e] stars: New scenarios for the nature and evolutionary stages of FS CMa stars	2022	Astronomy and Astrophysics	659		A35		4	10.1051/0004-6361/202141016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126489765&doi=10.1051%2f0004-6361%2f202141016&partnerID=40&md5=ee7ec3566d721cf67f174cad8042455f	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum: Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at s = 13 TeV (Journal of High Energy Physics, (2020), 2020, 4, (171), 10.1007/JHEP04(2020)171)	2022	Journal of High Energy Physics	2022	3	187		2	10.1007/JHEP03(2022)187	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127543007&doi=10.1007%2fJHEP03%282022%29187&partnerID=40&md5=7303142e9e2d2bf271d23af3ba6eb3d2	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Mukherjee A.; Bhattacharya S.; ...; Kumar S.; ...	Shape coexistence and octupole correlations in Se 72	2022	Physical Review C	105	1	14322		13	10.1103/PhysRevC.105.014322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124238857&doi=10.1103%2fPhysRevC.105.014322&partnerID=40&md5=1a1e71160da3ee06f97c65b73e3bd2b2	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for long-lived particles produced in association with a Z boson in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	3	160		9	10.1007/JHEP03(2022)160	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127233487&doi=10.1007%2fJHEP03%282022%29160&partnerID=40&md5=ff0584f31062521bce8a3c1a4dbca0d7	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479

Sharma P.; Sharma R.; Jain C.; Dutta A.	Timing and spectral analysis of HMXB OAO 1657-415 with NuSTAR	2022	Monthly Notices of the Royal Astronomical Society	509	4		5747	6	10.1093/mnras/stab3436	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126374667&doi=10.1093%2fmnras%2fstab3436&partnerID=40&md5=b2efe937fd8e7101d8d0d14ca851aee3	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Sharma E.; Maheswar G.; Dib S.	Erratum: Cloud motion and magnetic fields: Four clouds in the Cepheus Flare region (A&A (2022) (658) A55 DOI: 10.1051/0004-6361/202140495)	2022	Astronomy and Astrophysics	659		C2		0	10.1051/0004-6361/202140495e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126601701&doi=10.1051%2f0004-6361%2f202140495e&partnerID=40&md5=0f6f01d3e508d6c1dd9542e614c573d3	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Evidence for X(3872) in Pb-Pb Collisions and Studies of its Prompt Production at sNN =5.02 TeV	2022	Physical Review Letters	128	3	A57		25	10.1103/PhysRevLett.128.032001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123710396&doi=10.1103%2fPhysRevLett.128.032001&partnerID=40&md5=c6ec0d43d202a45b6ce9d7f79079215b	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Arora A.K.; Gupta K.K.; Goswami K.; Bharadvaja A.; Baluja K.L.	A binary-encounter-Bethe approach to compute electron-impact partial ionization cross sections of plasma relevant molecules such as hexamethyldisiloxane and silane	2022	Plasma Sources Science and Technology	31	1	15008		9	10.1088/1361-6595/ac3805	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124044390&doi=10.1088%2f1361-6595%2fac3805&partnerID=40&md5=024815109bd998a779d9ad59b2fcf8f3	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	9630252
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of W±γ differential cross sections in proton-proton collisions at s =13 TeV and effective field theory constraints	2022	Physical Review D	105	5	52003		7	10.1103/PhysRevD.105.052003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127560044&doi=10.1103%2fPhysRevD.105.052003&partnerID=40&md5=c56a2e8eb77a6d51fc68e53c7c332505	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kumar P.; Vedeshwar A.G.	Coherence-mediated squeezing of a cavity field coupled to a coherently driven single quantum dot	2022	Physical Review A	105	3	33710		0	10.1103/PhysRevA.105.033710	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126971438&doi=10.1103%2fPhysRevA.105.033710&partnerID=40&md5=f9406d94b7962555d968fa437f0fbd94	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699926
Kulshreshtha U.; Kulshreshtha D.S.; Sihag B.	MAXWELL-CHERN-SIMONS-HIGGS THEORY	2022	Acta Polytechnica	62	1		85	0	10.14311/AP.2022.62.0085	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129161177&doi=10.14311%2fAP.2022.62.0085&partnerID=40&md5=7ca590c80a2f7fb4653391e1929a3899	Department of Physics and Astrophysics, University of Delhi, ...	Czech Technical University in Prague	18052363
Parveen S.; Sehrawat P.; Hashmi S.A.	Diglyme-Incorporated Gelled Polymer: An Efficient Quasi-Solid-State Electrolyte for Sodium-Ion Batteries	2022	ACS Applied Energy Materials	5	1		930	8	10.1021/acsaem.1c03326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122575757&doi=10.1021%2facsaem.1c03326&partnerID=40&md5=d45989d47446ce7012c11f16a72b1a17	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	25740962
Jain A.; Gupta D.N.; Kumar S.	Self-compression of a high-intensity laser pulse in a double-ionizing gas	2022	Physics of Plasmas	29	1	12109		1	10.1063/5.0078369	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123591134&doi=10.1063%2f5.0078369&partnerID=40&md5=9168d9749af3af857aaaf6551834b835	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	1070664X
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Study of dijet events with large rapidity separation in proton-proton collisions at √s = 2.76 TeV	2022	Journal of High Energy Physics	2022	3	189		2	10.1007/JHEP03(2022)189	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127604051&doi=10.1007%2fJHEP03%282022%29189&partnerID=40&md5=eec0b6693511c9b87af89941679cbd5a	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479

Gupta D.N.	Second-Harmonic Generation of a Short-Laser Pulse from a Gas-Jet Immersed in a Magnetic Field	2022	IEEE Transactions on Plasma Science	50	1		17	1	10.1109/TPS.2021.3135538	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122328024&doi=10.1109%2fTPS.2021.3135538&partnerID=40&md5=565b3a7d6536bbc373dc4fe0d29a2355	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	933813
Sharma S.; Gupta R.; Tomar M.	Lattice-strain engineered KxNa1-xNbO3 thin films near the morphotropic phase boundary for enhanced electrical properties	2022	Materials Chemistry and Physics	277		125512		0	10.1016/j.matchemphys.2021.125512	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121106913&doi=10.1016%2fj.matchemphys.2021.125512&partnerID=40&md5=b3eeed30e2131859f5d371468f8607b3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Asapur P.C.; Sahare P.D.; Mahapatra S.K.; Banerjee I.	Homology modeling and molecular docking study of biogenic Muga silk nanoparticles as putative drug-binding system	2022	Biotechnology and Applied Biochemistry	69	1		129	0	10.1002/bab.2088	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101885722&doi=10.1002%2fbab.2088&partnerID=40&md5=5462a5fef01c3e8024efc3c185febafa	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	8854513
Das D.; Das J.	Sterile neutrinos in Λb0 → (Λc+,p+) ℓ1- ℓ2- ℓ3+ ν decays	2022	Physical Review D	105	1	13009		2	10.1103/PhysRevD.105.013009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123799086&doi=10.1103%2fPhysRevD.105.013009&partnerID=40&md5=63a2d04c8f271205afffee46e8e1e1dd	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Ansari A.A.; Narain L.; Prasad S.N.; Alam M.	Behaviour of motion of infinitesimal variable mass oblate body in the generalized perturbed circular restricted three-body problem	2022	Italian Journal of Pure and Applied Mathematics	47			221	0		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130122817&partnerID=40&md5=b97b3fdc78951cdcdc1f98cc525e720c	Department of Physics and Astrophysics, University of Delhi, ...	Forum-Editrice Universitaria Udinese SRL	11268042
Kaur P.; Kriti; Rahul; Kaur S.; Kumar V.; Kandasami A.; Singh D.P.	Temperature-dependent characteristics of ZnO phosphors from synchrotron-based vacuum ultraviolet photoluminescence spectroscopy	2022	European Physical Journal Plus	137	1	142		3	10.1140/epjp/s13360-022-02356-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123096830&doi=10.1140%2fepjp%2fs13360-022-02356-9&partnerID=40&md5=76d6fbcca27ef59864677c3aae963efc	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	21905444
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for heavy resonances decaying to WW, WZ, or WH boson pairs in a final state consisting of a lepton and a large-radius jet in proton-proton collisions at s =13 TeV	2022	Physical Review D	105	3	32008		15	10.1103/PhysRevD.105.032008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126456351&doi=10.1103%2fPhysRevD.105.032008&partnerID=40&md5=db1bba91eabdc81d12b4c3257be0cec3	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Vandana; Gupta R.; Tandon R.P.; Tomar M.	Enhanced Pyroelectric Coefficient in Ferroelectric Lead Zirconium Titanate Thick Films for Thermal Energy Harvesting Applications	2022	ECS Journal of Solid State Science and Technology	11	2	23015		1	10.1149/2162-8777/ac546c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126005654&doi=10.1149%2f2162-8777%2fac546c&partnerID=40&md5=e6af4d2d986210ffa972b6fc2007d976	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	21628769
Pandey V.K.	Hamiltonian and Lagrangian BRST Quantization in Riemann Manifold	2022	Advances in High Energy Physics	2022		2158485		2	10.1155/2022/2158485	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126385988&doi=10.1155%2f2022%2f2158485&partnerID=40&md5=524ef3863aeca563289ff992f4264a0c	Department of Physics and Astrophysics, University of Delhi, ...	Hindawi Limited	16877357
Vandana; Gupta R.; Chaudhary A.; Tandon R.P.; Gupta V.; Tomar M.	Effect of different anode electrodes with Li(Li0.25Co0.37Mn0.38)O2 as cathode material on Li: ion battery performance	2022	Journal of Materials Science: Materials in Electronics	33	7		3901	0	10.1007/s10854-021-07584-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123886239&doi=10.1007%2fs10854-021-07584-w&partnerID=40&md5=f816742f6feef985185de457b3c5d97d	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9574522
Hor A.A.; Yadav N.; Hashmi S.A.	High energy density carbon supercapacitor with ionic liquid-based gel polymer electrolyte: Role of redox-additive potassium iodide	2022	Journal of Energy Storage	47		103608		24	10.1016/j.est.2021.103608	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122958961&doi=10.1016%2fj.est.2021.103608&partnerID=40&md5=f70c55b72aa97d08bc2df47dbd7567cb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X

Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	2	107		10	10.1007/JHEP02(2022)107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125377511&doi=10.1007%2fJHEP02%282022%29107&partnerID=40&md5=2c800460938418d0bb8cd9ab181494b5	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sachdeva A.; Aarushi; Anand J.K.; Tandon R.P.	X-ray diffraction and raman spectroscopy studies on calcium modified PZT (Pb(1-x)CaxZr0.52Ti0.48O3) ceramics prepared via solid state reaction method and sol-gel technique-a comparative study	2022	Journal of Ceramic Processing Research	23	6		817	1	10.36410/jcpr.2022.23.6.817	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145922081&doi=10.36410%2fjcpr.2022.23.6.817&partnerID=40&md5=8550055540730790ad2e255e6ae5a522	Department of Physics and Astrophysics, University of Delhi, ...	Hanyang University	12299162
Dewan S.; Tomar M.; Tandon R.P.; Gupta V.	Corrigendum to “Room-temperature electroluminescence from Laser MBE grown Gallium Nitride LEDs” [Mater. Sci. Eng. B, 260 (2020) 114655] (Materials Science & Engineering B (2020) 260, (S0921510720301628), (10.1016/j.mseb.2020.114655))	2022	Materials Science and Engineering: B	275		115518		0	10.1016/j.mseb.2021.115518	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119903762&doi=10.1016%2fj.mseb.2021.115518&partnerID=40&md5=4a0d9b180aebf8b0d8a3073a7c5f3156	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9215107
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	2	142		13	10.1007/JHEP02(2022)142	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125557355&doi=10.1007%2fJHEP02%282022%29142&partnerID=40&md5=1f3c66e58b488f2224d9d0851e6bd689	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Kaur B.; Chauhan S.; Aggarwal R.	Modified Robe’s Problem with Perturbations in the Coriolis and Centrifugal Forces	2022	Few-Body Systems	63	1	18		0	10.1007/s00601-021-01722-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122431172&doi=10.1007%2fs00601-021-01722-0&partnerID=40&md5=864be9a5af77b77ff760366741e8978e	Department of Physics and Astrophysics, University of Delhi, ...	Springer	1777963
Gupta D.N.; Jain A.; Kulagin V.V.; Hur M.S.; Suk H.	Coherent terahertz radiation generation by a flattened Gaussian laser beam at a plasma–vacuum interface	2022	Applied Physics B: Lasers and Optics	128	3	50		5	10.1007/s00340-022-07777-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124935392&doi=10.1007%2fs00340-022-07777-z&partnerID=40&md5=0453b96000925689588ca651f92b3b523	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9462171
Mukhopadhay D.; Alam J.-E.; Kumar R.	The Polyakov loop dependence of bulk viscosity of QCD matter	2022	Nuclear Physics B	974		115635		0	10.1016/j.nuclphysb.2021.115635	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120857000&doi=10.1016%2fj.nuclphysb.2021.115635&partnerID=40&md5=2b45b95890655e3c85b5a5b05447504e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	5503213
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Fragmentation of jets containing a prompt J/ψ meson in PbPb and pp collisions at s =5.02TeV	2022	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	825		136842		4	10.1016/j.physletb.2021.136842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122614636&doi=10.1016%2fj.physletb.2021.136842&partnerID=40&md5=0d9c93ae122f904ae0685e73e7abea44	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Natwariya P.K.; Nayak A.C.; Srivastava T.	Constraining spinning primordial black holes with global 21-cm signal	2022	Monthly Notices of the Royal Astronomical Society	510	3		4236	8	10.1093/mnras/stab3754	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124978825&doi=10.1093%2fmnras%2fstab3754&partnerID=40&md5=eedb71c24fa22ab4c01b4d56a732b7af	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Bassi M.; Bharadvaja A.; Baluja K.L.	Elastic and Inelastic Cross Sections for Low-Energy Electron Collisions with ClF Molecule Using the R-Matrix Method	2022	Atoms	10	1	8		0	10.3390/atoms10010008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123618545&doi=10.3390%2fatoms10010008&partnerID=40&md5=2739c4563c91a6098ec10e2040809de3	Department of Physics and Astrophysics, University of Delhi, ...	MDPI	22182004

Kulshreshtha D.S.; Kulshreshtha U.	ON THE WESS-ZUMINO MODEL: A SUPERSYMMETRIC FIELD THEORY	2022	Acta Polytechnica	62	1		80	0	10.14311/AP.2022.62.0080	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129124564&doi=10.14311%2fAP.2022.62.0080&partnerID=40&md5=dfa9b5745e878e506f4862ab696d96f8	Department of Physics and Astrophysics, University of Delhi, ...	Czech Technical University in Prague	18052363
Kumar D.; Rana A.; Jain D.; Mahajan S.; Mukherjee A.; Holanda R.F.L.	A non-parametric test of variability of Type Ia supernovae luminosity and CDDR	2022	Journal of Cosmology and Astroparticle Physics	2022	1	53		4	10.1088/1475-7516/2022/01/053	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125445617&doi=10.1088%2f1475-7516%2f2022%2f01%2f053&partnerID=40&md5=c3e584ded3b9b09fb2b33843f3a00ac7	Department of Physics and Astrophysics, University of Delhi, ...	IOP Publishing Ltd	14757516
Kumar S.; Jain G.; Kumar K.; Gupta A.; Tawale J.S.; Singh B.P.; Dhakate S.R.; Sahare P.D.	Stress-Induced Structural Phase Transition in Polystyrene/NaYF4: Eu3+Photoluminescent Electrospun Nanofibers	2022	Journal of Nanomaterials	2022		2173629		1	10.1155/2022/2173629	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129247290&doi=10.1155%2f2022%2f2173629&partnerID=40&md5=1cdad4117239fcc38a9cd9252c6a8bcf	Department of Physics and Astrophysics, University of Delhi, ...	Hindawi Limited	16874110
Sharma M.K.; Sur S.	Imprints of interacting dark energy on cosmological perturbations	2022	International Journal of Modern Physics D	31	3	2250017		4	10.1142/S0218271822500171	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124029272&doi=10.1142%2fS0218271822500171&partnerID=40&md5=6e2ca3f714e1e4183b0af5997c2a9209	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2182718
Dhull N.; Jindal K.; Verma M.; Tomar M.	Low-Cost and Disposable Electrochemical Paper-Based Analytical Device (PAD) for Escherichia coli O157:H7	2022	Analytical Letters	55	14		2297	0	10.1080/00032719.2022.2053149	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127226509&doi=10.1080%2f00032719.2022.2053149&partnerID=40&md5=6de68de488bf1f379b0c24b82a838ae5	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	32719
Ekta S.; Maheswar G.; Sami D.	Cloud motion and magnetic fields: Four clouds in the Cepheus Flare region	2022	Astronomy and Astrophysics	658		A55		0	10.1051/0004-6361/202140495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124209658&doi=10.1051%2f0004-6361%2f202140495&partnerID=40&md5=2d126ee610774920f941a788b17949a9	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions	2022	Journal of High Energy Physics	2022	1	188		11	10.1007/JHEP01(2022)188	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126790856&doi=10.1007%2fJHEP01%282022%29188&partnerID=40&md5=d453bb49cca28b92fee46391917c9b1b	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Sachdeva A.; Aarushi; Anand J.K.; Tandon R.P.	Effect of calcium addition on microstructure and electrical properties of lead zir-conate titanate ceramic compositions near MPB	2022	Journal of Ceramic Processing Research	23	1		99	2	10.36410/jcpr.2022.23.1.99	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127369403&doi=10.36410%2fjcpr.2022.23.1.99&partnerID=40&md5=275410c6fc655d53c32acbc957753064	Department of Physics and Astrophysics, University of Delhi, ...	Hanyang University	12299162
Yadav G.; Gupta V.; Tomar M.	Double Schottky metal–semiconductor–metal based GaN photodetectors with improved response using laser MBE technique	2022	Journal of Materials Research	37	2		457	10	10.1557/s43578-021-00467-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123235577&doi=10.1557%2fs43578-021-00467-0&partnerID=40&md5=713a83ec4e6e200f8489eeb5ef1c8880	Department of Physics and Astrophysics, University of Delhi, ...	Springer Nature	8842914
Joshi A.; Wang W.; Pandey J.C.; Singh K.P.; Naik S.; Raj A.; Anupama G.C.; Rawat N.	X-ray confirmation of the intermediate polar IGR J16547-1916	2022	Astronomy and Astrophysics	657		A12		1	10.1051/0004-6361/202142193	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122270288&doi=10.1051%2f0004-6361%2f202142193&partnerID=40&md5=cfce3bc13b3bdb4455bc4129df274d06	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361

Negi S.; Khurana S.; Chandra A.	Transportation of calcium ions through chemically modified nanochannels in a polymeric membrane	2022	Ionics	28	3		1219	0	10.1007/s11581-021-04391-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122910567&doi=10.1007%2fs11581-021-04391-5&partnerID=40&md5=1840200de4f60d68631caa3e0030c828	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9477047
Rajput J.; Garg D.; Cassimi A.; Méry A.; Fléchard X.; Rangama J.; Guillous S.; Iskandar W.; Agnihotri A.N.; Matsumoto J.; Ahuja R.; Safvan C.P.	Unexplained dissociation pathways of two-body fragmentation of methane dication	2022	Journal of Chemical Physics	156	5	54301		3	10.1063/5.0079851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124283367&doi=10.1063%2f5.0079851&partnerID=40&md5=58cb163feab0555bfc13c12b1f399447	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	219606
Borkar H.; Gaikwad V.M.; Dutta S.; Tomar M.; Gupta V.; Kumar A.	Lead-free laminated structures for eco-friendly energy harvesters and magnetoelectric sensors	2022	Journal of Physics and Chemistry of Solids	160		110306		4	10.1016/j.jpcs.2021.110306	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112130748&doi=10.1016%2fj.jpcs.2021.110306&partnerID=40&md5=72d9c2e0dc34a2c2f77c73c8c7607f8c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697
Tumasyan A.; Adam W.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of double-parton scattering in inclusive production of four jets with low transverse momentum in proton-proton collisions at √s = 13 TeV	2022	Journal of High Energy Physics	2022	1	177		9	10.1007/JHEP01(2022)177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124821779&doi=10.1007%2fJHEP01%282022%29177&partnerID=40&md5=0ac1af5352f3ade80cb9f6754da49980	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Mukhopadhyay D.; Alam J.-E.; Kumar R.	Erratum to "The Polyakov loop dependence of bulk viscosity of QCD matter" [Nucl. Phys. B 974 (2022) 115635] (Nuclear Physics, Section B (2022) 974, (S0550321321003321), (10.1016/j.nuclphysb.2021.115635))	2022	Nuclear Physics B	975		115685		0	10.1016/j.nuclphysb.2022.115685	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123890345&doi=10.1016%2fj.nuclphysb.2022.115685&partnerID=40&md5=48e5cc430bd990938fc2904d483825ca	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	5503213
Srivastava P.; Naja M.; Seshadri T.R.; Joshi H.; Dumka U.C.; Gogoi M.M.; Babu S.S.	Implications of Site-specific Mass Absorption Cross-section (MAC) to Black Carbon Observations at a High-altitude Site in the Central Himalaya	2022	Asia-Pacific Journal of Atmospheric Sciences	58	1		83	4	10.1007/s13143-021-00241-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105394171&doi=10.1007%2fs13143-021-00241-6&partnerID=40&md5=18eb137b592a313d3e028d341c9619db	Department of Physics and Astrophysics, University of Delhi, ...	Korean Meteorological Society	19767633
Ashok S.K.; John R.R.; Layon T.J.; Mahato S.; Raman M.	Effective gravitational couplings of Kaluza-Klein gauge theories	2023	Journal of High Energy Physics	2023	9	137		0	10.1007/JHEP09(2023)137	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171852584&doi=10.1007%2fJHEP09%282023%29137&partnerID=40&md5=15e7401b7de6fc2624ee2bae26dc2b93	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for medium effects using jets from bottom quarks in PbPb collisions at sNN=5.02TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	844		137849		1	10.1016/j.physletb.2023.137849	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167972224&doi=10.1016%2fj.physletb.2023.137849&partnerID=40&md5=bac9bb4aa238fee08957dac92d12a386	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Chauhan N.; Saxena K.; Rawal R.; Yadav L.; Jain U.	Advances in surface-enhanced Raman spectroscopy-based sensors for detection of various biomarkers	2023	Progress in Biophysics and Molecular Biology	184			32	0	10.1016/j.pbiomolbio.2023.08.003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171174846&doi=10.1016%2fj.pbiomolbio.2023.08.003&partnerID=40&md5=f6dea1327c03305f71d219f2898bdafe	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	796107
Singh K.; Kumar R.; Kaur A.	Novel hierarchical porous carbon derived from biomass Citrus limetta pulp for high-performance quasi-solid-state supercapacitor electrodes	2023	Journal of Energy Storage	71		108121		1	10.1016/j.est.2023.108121	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163533550&doi=10.1016%2fj.est.2023.108121&partnerID=40&md5=d35e5224e91e89fbc8263e064e7e0a83	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X

Rajput J.; Garg D.; Cassimi A.; Fléchard X.; Rangama J.; Safvan C.P.	Addressing three-body fragmentation of methane dication using “native frames”: Evidence of internal excitation in fragments	2023	Journal of Chemical Physics	159	18	184303	0	10.1063/5.0171881	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176600070&doi=10.1063%2f5.0171881&partnerID=40&md5=6a2e2769c1b19a5a5a83dcf5d6429105	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	219606
Prasad V.; Arora M.; Varsha	Enhancement of persistent currents and magnetic fields in a two dimensional quantum ring	2023	Scientific Reports	13	1	15486	0	10.1038/s41598-023-42417-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171652847&doi=10.1038%2fs41598-023-42417-2&partnerID=40&md5=6035d50b6cd1143e1e0ee082cc3d272b	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	20452322
Hayrapetyan A.; Tumasyan A.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for the lepton-flavor violating decay of the Higgs boson and additional Higgs bosons in the Formula Presented final state in proton-proton collisions at Formula Presented	2023	Physical Review D	108	7	72004	0	10.1103/PhysRevD.108.072004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179937139&doi=10.1103%2fPhysRevD.108.072004&partnerID=40&md5=1c5c55ef5c969fff616cd899c9dd0627	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	A search for decays of the Higgs boson to invisible particles in events with a top-antitop quark pair or a vector boson in proton-proton collisions at √s=13TeV	2023	European Physical Journal C	83	10	933	0	10.1140/epjc/s10052-023-11952-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174582760&doi=10.1140%2fepjc%2fs10052-023-11952-7&partnerID=40&md5=82656ad5257d30b4256758af69cd3e0a	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Mohanto G.; Parihari A.; ...	Sensitivity of β4 values extracted from quasi elastic barrier distribution to the 2n transfer channel	2023	European Physical Journal A	59	10	234	0	10.1140/epja/s10050-023-01143-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174439323&doi=10.1140%2fepja%2fs10050-023-01143-z&partnerID=40&md5=ea7e41271dc8f4741a92f772d9913dc8	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346001
Kumar Singh M.; Bhatt V.; K Jha P.; B Bhattacherjee A.	Entanglement dynamics via periodic modulations in an optomechanical system with embedded double quantum dots	2023	Journal of Optics (United Kingdom)	25	12	125402	0	10.1088/2040-8986/ad0405	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176438436&doi=10.1088%2f2040-8986%2fad0405&partnerID=40&md5=3ccbbe1af58cce226eb8d565bd13b624	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	20408978
Rana K.; Thakur S.; Tomar M.; Gupta V.; Thakur A.	Effect of low sintering temperature on the structural and magnetic properties of M-type strontium hexaferrite	2023	Journal of Magnetism and Magnetic Materials	587		171289	5	10.1016/j.jmmm.2023.171289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172883900&doi=10.1016%2fj.jmmm.2023.171289&partnerID=40&md5=a4de6efe024403bb204bd2564a6f8af5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3048853
Hayrapetyan A.; Tumasyan A.; …; Bhardwaj A., Choudhary B.C.; …; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Observation of the Rare Decay of the η Meson to Four Muons	2023	Physical Review Letters	131	9	91903	0	10.1103/PhysRevLett.131.091903	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171697132&doi=10.1103%2fPhysRevLett.131.091903&partnerID=40&md5=fc241a37dd057a4e915b3930eabc0650	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Joshi R.; Verma N.; Mohan M.	Shannon entropy along hydrogen isoelectronic sequence using numerov method	2023	Revista Mexicana de Fisica	69	6	60401	0	10.31349/RevMexFis.69.060401	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176275604&doi=10.31349%2fRevMexFis.69.060401&partnerID=40&md5=52d6953a74ae539ae7d65d673fdb7417	Department of Physics and Astrophysics, University of Delhi, ...	Sociedad Mexicana de Fisica	0035001X
Majumdar S.; Patel R.; Pant V.; Banerjee D.; Rawat A.; Pradhan A.; Singh P.	A Coronal Mass Ejection Source Region Catalog and Their Associated Properties	2023	Astrophysical Journal, Supplement Series	268	1	38	1	10.3847/1538-4365/aceb62	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173023376&doi=10.3847%2f1538-4365%2faceb62&partnerID=40&md5=3399c5ee2abd81c80c2457b14e918e45	Department of Physics and Astrophysics, University of Delhi, ...	American Astronomical Society	670049

Jha A.K.S.; Dimri M.; Dawra D.; Mohan M.	A Study of the Atomic Processes of Highly Charged Ions Embedded in Dense Plasma	2023	Atoms	11	12	158		0	10.3390/atoms11120158	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180450280&doi=10.3390%2fatoms11120158&partnerID=40&md5=34fd673b73c2f134e9b9aff667e336c7	Department of Physics and Astrophysics, University of Delhi, ...	Multidisciplinary Digital Publishing Institute (MDPI)	22182004
Prajapati V.; Deo N.	Valley conductance and reflection probabilities in substrate-induced graphene superlattice	2023	Physica B: Condensed Matter	669		415255		0	10.1016/j.physb.2023.415255	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169887167&doi=10.1016%2fj.physb.2023.415255&partnerID=40&md5=2673abe3219f2fab76523a8e5ccfcaf0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9214526
Anuj; Kumar S.; Kumar N.; Rajput N.; Rojeeta Devi K.; Kumar N.; Ahmad C.V.; Banerjee A.; Rohilla A.; Gupta C.K.; Pandey A.; Bhushan R.; Gupta U.; Mandal S.K.; ...	Indications of octupole correlation in 84Sr	2023	Physica Scripta	98	9	95302		0	10.1088/1402-4896/ace8d2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167869064&doi=10.1088%2f1402-4896%2face8d2&partnerID=40&md5=4ef9f246ca8b3902e7efabdc08624567	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	318949
Anjana; Chandra A.	Facile synthesis and characterization of polymer composites with cobalt ferrite and biomass based activated carbon for microwave absorption	2023	Materials Today Communications	37		107397		0	10.1016/j.mtcomm.2023.107397	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175539714&doi=10.1016%2fj.mtcomm.2023.107397&partnerID=40&md5=b6afdc88c09d760a9b1a70cc2408836b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Ahmad T.; Jindal K.; Tomar M.; Jha P.K.	Effect of codoping of rare earth elements and Cr on multiferroic, optical and photocatalytic properties of BiFeO3	2023	Materials Today Communications	37		107516		0	10.1016/j.mtcomm.2023.107516	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177203645&doi=10.1016%2fj.mtcomm.2023.107516&partnerID=40&md5=8e7d713f9dc3a8abc512a96c6cf7547e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Devi S.; Prasad V.	Dynamics of coupled rotors in external fields	2023	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	302		122983		0	10.1016/j.saa.2023.122983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164302667&doi=10.1016%2fj.saa.2023.122983&partnerID=40&md5=8fe602bba7fcc1912cf720c0e98c086f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13861425
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Observation of τ Lepton Pair Production in Ultraperipheral Pb-Pb Collisions at sqrt[s_{NN}]=5.02 TeV	2023	Physical review letters	131	15		151803	0	10.1103/PhysRevLett.131.151803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175275979&doi=10.1103%2fPhysRevLett.131.151803&partnerID=40&md5=c508c9c5081b798591c63fbc06988f8f	Department of Physics and Astrophysics, University of Delhi, ...		10797114
Bhadola P.; Deo N.	Exploring complexity of class-A Beta-lactamase family using physiochemical-based multiplex networks	2023	Scientific Reports	13	1	20626		0	10.1038/s41598-023-48128-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177803144&doi=10.1038%2fs41598-023-48128-y&partnerID=40&md5=9bff787a914c8678c9b21d6a4d49ff36	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	20452322
Luthra M.; Prashant A.; Goswami K.; Bharadvaja A.; Baluja K.L.	Electron-impact partial ionisation cross-sections of ethanol	2023	Pramana - Journal of Physics	97	3	120		0	10.1007/s12043-023-02603-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167507441&doi=10.1007%2fs12043-023-02603-3&partnerID=40&md5=c5632fd9b77b74e2f8ec53e0731006ba	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3044289
Shabir A.; Hashmi S.A.; Hor A.A.; Julien C.M.; Islam S.S.	Long-term prospects of nano-carbon and its derivatives as anode materials for lithium-ion batteries – A review	2023	Journal of Energy Storage	72		108178		1	10.1016/j.est.2023.108178	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164302344&doi=10.1016%2fj.est.2023.108178&partnerID=40&md5=bb1dc69342e2d2dec6f54433e8d84914	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X

Negi S.; Khurana S.	Effect of addition of polyether amine and TiO2 nanofibers on the properties of PEO based sodium ion conducting composites	2023	Materials Chemistry and Physics	305		128012		0	10.1016/j.matchemphys.2023.128012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160748565&doi=10.1016%2fj.matchemphys.2023.128012&partnerID=40&md5=63ab4a08dc0c2a1902f9ea6bc8a64f7c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for pair-produced vector-like leptons in final states with third-generation leptons and at least three b quark jets in proton-proton collisions at s=13TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	846		137713		0	10.1016/j.physletb.2023.137713	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174050161&doi=10.1016%2fj.physletb.2023.137713&partnerID=40&md5=5a17f4534238adebc523e0411642384c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Kapoor C.; Tewari S.P.	Non-phononic superconductivity in tellurium doped Bismuth crystal	2023	Proceedings of the Indian National Science Academy	89	3		752	0	10.1007/s43538-023-00187-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164125251&doi=10.1007%2fs43538-023-00187-5&partnerID=40&md5=3cf33eb6d15635d76685c049eb96d2d6	Department of Physics and Astrophysics, University of Delhi, ...	Springer Nature	3700046
Balraj S.; Basunia M.S.; ...; Rawat P.S.; ...	Nuclear Structure and Decay Data for A = 222 Isobars	2023	Nuclear Data Sheets	192			315	0	10.1016/j.nds.2023.10.002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176502068&doi=10.1016%2fj.nds.2023.10.002&partnerID=40&md5=671579763ff26b6b106f1ae64a8d0757	Department of Physics and Astrophysics, University of Delhi, ...	Academic Press Inc.	903752
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for a vector-like quark T′ → tH via the diphoton decay mode of the Higgs boson in proton-proton collisions at √s = 13 TeV	2023	Journal of High Energy Physics	2023	9	57		0	10.1007/JHEP09(2023)057	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173980033&doi=10.1007%2fJHEP09%282023%29057&partnerID=40&md5=2dac229751438034a284ad0b987deca6	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Lamichhane S.; Sharma S.; Tomar M.; Chowdhuri A.	Studies on photovoltaic properties of BFO/WO3 bilayer thin films for solar energy harvesting applications	2023	Results in Optics	13		100539		0	10.1016/j.rio.2023.100539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172907251&doi=10.1016%2fj.rio.2023.100539&partnerID=40&md5=059aa2192fb2d0f69d48510e884face6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	26669501
Sharmila; Dalal S.; Raman R.; Senthil Kumar P.; Pandey A.	H+ ion implantation-induced effect investigations in a-plane GaN layer on r-plane sapphire	2023	Applied Physics A: Materials Science and Processing	129	10	680		0	10.1007/s00339-023-06923-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170285366&doi=10.1007%2fs00339-023-06923-4&partnerID=40&md5=9b094db4b1c5ea3896ee1cb0706aad82	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9478396
Antoniadis J.; Arumugam P.; ...; Dhanda-Batra N.; ...	The second data release from the European Pulsar Timing Array: III. Search for gravitational wave signals Chen	2023	Astronomy and Astrophysics	678		A50		52	10.1051/0004-6361/202346844	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178317458&doi=10.1051%2f0004-6361%2f202346844&partnerID=40&md5=dd8b27c616232b1b4fedfc77ec030dae	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Gupta V.; Malik R.; Kumar L.	Highly efficient and cost-effective polyaniline-based ammonia sensor on the biodegradable paper substrate at room temperature	2023	Materials Chemistry and Physics	310		128388		0	10.1016/j.matchemphys.2023.128388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171618322&doi=10.1016%2fj.matchemphys.2023.128388&partnerID=40&md5=a9473019f6185d281ccbe0731bd80f98	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for the Higgs boson decay to a pair of electrons in proton-proton collisions at s=13TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	846		137783		0	10.1016/j.physletb.2023.137783	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174689862&doi=10.1016%2fj.physletb.2023.137783&partnerID=40&md5=c987627a65093f1689f4b0e0a7e1361f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Two-particle azimuthal correlations in γp interactions using pPb collisions at sNN=8.16TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	844		137905		0	10.1016/j.physletb.2023.137905	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168004410&doi=10.1016%2fj.physletb.2023.137905&partnerID=40&md5=8b0db100aa0314243f11be4fe9a838f6	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Proton reconstruction with the CMS-TOTEM Precision Proton Spectrometer	2023	Journal of Instrumentation	18	9	P09009		0	10.1088/1748-0221/18/09/P09009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174724971&doi=10.1088%2f1748-0221%2f18%2f09%2fP09009&partnerID=40&md5=2219b2575ce70d30c9507b03c0e95472	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	17480221
Shabir A.; Dey S.; Wani S.S.; Lone S.; Rubab S.; Faizal M.	Circuit complexity for coherent-thermal states in bosonic string theory	2023	European Physical Journal C	83	9	851		0	10.1140/epjc/s10052-023-11967-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172008144&doi=10.1140%2fepjc%2fs10052-023-11967-0&partnerID=40&md5=f43af86ed8ad6a9d739415db2ffd24b8	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Medda A.; Biswas R.; Dastider S.G.; Ghosh S.; Mondal K.; Haldar K.K.; Patra A.	Heterostructures of 2D Core/Shell Nanoplatelets with 2D MoS2 as an Efficient Electrocatalyst for Hydrogen Evolution Reaction	2023	ACS Applied Energy Materials	6	22		11745	0	10.1021/acsaem.3c02443	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178116562&doi=10.1021%2facsaem.3c02443&partnerID=40&md5=4e5ecad82d3308e902dc23a9ca602f7a	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	25740962
Antoniadis J.; Arumugam P.; ...; Dhanda-Batra N.; ...	The second data release from the European Pulsar Timing Array: II. Customised pulsar noise models for spatially correlated gravitational waves	2023	Astronomy and Astrophysics	678		A49		7	10.1051/0004-6361/202346842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174488423&doi=10.1051%2f0004-6361%2f202346842&partnerID=40&md5=e5735e0972dcf4467dbe10924b612538	Department of Physics and Astrophysics, University of Delhi, ...	EDP Sciences	46361
Rakshit M.; Chowdhury S.; Majumdar A.; Banerjee D.; Jana D.	A first-principles study of ternary metal chalcogenides Ba2MnX3 (X=Te,Se,S) for efficient thermoelectric applications empowered by machine-learning interatomic potential	2023	Computational Materials Science	230		112526		0	10.1016/j.commatsci.2023.112526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173566434&doi=10.1016%2fj.commatsci.2023.112526&partnerID=40&md5=89984f9e03c6e324898b61528cae983e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9270256
Sao A.K.; Sharma A.; Verma M.; Tomar M.; Chowdhuri A.	Development of CdS-SnO2 hybrid nanocomposite thin films for trace level detection of NO2 gas	2023	Sensors and Actuators B: Chemical	393		134198		0	10.1016/j.snb.2023.134198	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164514998&doi=10.1016%2fj.snb.2023.134198&partnerID=40&md5=c0caa462fdd5f51e2dda58f5148450a8	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9254005
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of differential cross sections for the production of a Z boson in association with jets in proton-proton collisions at Formula Presented	2023	Physical Review D	108	5	52004		1	10.1103/PhysRevD.108.052004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175470307&doi=10.1103%2fPhysRevD.108.052004&partnerID=40&md5=b6626a175cfcdf4b2b58c398e4b441bf	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Arti; Gupta R.; Singh N.; Kansal M.K.; Verma V.	Enhanced photovoltaic and sunlight-driven photocatalysis for water purification study of rare-earth and transition-element-doped bismuth ferrites	2023	Applied Physics A: Materials Science and Processing	129	9	645		1	10.1007/s00339-023-06928-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168548699&doi=10.1007%2fs00339-023-06928-z&partnerID=40&md5=f1cf1fe6ea56db65140a956bb48f5269	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9478396
Das S.; Sur S.	A unified cosmological dark sector from a Bose–Einstein condensate	2023	Physics of the Dark Universe	42		101331		0	10.1016/j.dark.2023.101331	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172656538&doi=10.1016%2fj.dark.2023.101331&partnerID=40&md5=2d260d0e661688358f4c1e782dfdb069	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	22126864

Kumar A.; Prakash O.; Loke R.; Pramanik A.; Sensarma R.; Ramakrishnan S.; Bag B.; Thamizhavel A.; Ramakrishnan S.	Fragile electronic superconductivity in a Bi single crystal	2023	Physical Review B	108	22	224512		0	10.1103/PhysRevB.108.224512	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180329645&doi=10.1103%2fPhysRevB.108.224512&partnerID=40&md5=8ee1e2d58c54001ba0d6f581b47afd98	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699950
Ashanujjaman S.; Banik S.; Coloretti G.; Crivellin A.; Mellado B.; Mulaudzi A.-T.	SU (2)L triplet scalar as the origin of the 95 GeV excess	2023	Physical Review D	108	9	L091704		0	10.1103/PhysRevD.108.L091704	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179083767&doi=10.1103%2fPhysRevD.108.L091704&partnerID=40&md5=527cc84c0d31ba01b5fe77a65b7c0a25	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the Dependence of the Hadron Production Fraction Ratios fs/fu and fd/fu on B Meson Kinematic Variables in Proton-Proton Collisions at Formula Presented	2023	Physical Review Letters	131	12	121901		0	10.1103/PhysRevLett.131.121901	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173420958&doi=10.1103%2fPhysRevLett.131.121901&partnerID=40&md5=7d130ac8dbfde71b64ca5fecfdcf5f03	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Tiwari M.; Bangruwa N.; Mishra D.	0D, 1D, and 2D magnetic nanostructures: Classification and their applications in modern biosensors	2023	Talanta Open	8		100257		0	10.1016/j.talo.2023.100257	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174149673&doi=10.1016%2fj.talo.2023.100257&partnerID=40&md5=711b9d169c9ec97b532f3599fb9ccf4c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	26668319
Bhardwaj A.; Riess A.G.; ...; Singh H.P.; ...	High-resolution Spectroscopic Metallicities of Milky Way Cepheid Standards and Their Impact on the Leavitt Law and the Hubble Constant	2023	Astrophysical Journal Letters	955	1	L13		0	10.3847/2041-8213/acf710	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173282283&doi=10.3847%2f2041-8213%2facf710&partnerID=40&md5=e930bd522d034a3705ea8b03326c4dba	Department of Physics and Astrophysics, University of Delhi, ...	American Astronomical Society	20418205
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Observation of Same-Sign WW Production from Double Parton Scattering in Proton-Proton Collisions at Formula Presented	2023	Physical Review Letters	131	9	91803		3	10.1103/PhysRevLett.131.091803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171697215&doi=10.1103%2fPhysRevLett.131.091803&partnerID=40&md5=28d9567d462f847d902b232e034423d2	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Kumar V.; Dhaka S.K.; Hitchman M.H.; Yoden S.	The influence of solar-modulated regional circulations and galactic cosmic rays on global cloud distribution	2023	Scientific Reports	13	1	3707		2	10.1038/s41598-023-30447-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149529092&doi=10.1038%2fs41598-023-30447-9&partnerID=40&md5=94d11cf1593a054e02bc4daf3e396e4f	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	20452322
Rehsawla R.; Dhull N.; Tomar M.; Sharma S.; Yadav N.R.	Nanofilm-enhanced electrochemical DNA sensing: a breakthrough for yellow rust detection in wheat	2023	Materials Research Express	10	11	116402		0	10.1088/2053-1591/acffac	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178115116&doi=10.1088%2f2053-1591%2facffac&partnerID=40&md5=e333df663d9cb072961fe8f152af6a18	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	20531591
Lamichhane S.; Sharma S.; Tomar M.; Chowdhuri A.	Effect of Annealing on Resistive Switching Properties of Glancing Angle Deposition-Assisted WO3 Thin Films	2023	Physica Status Solidi (A) Applications and Materials Science	220	20	2300358		0	10.1002/pssa.202300358	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171888615&doi=10.1002%2fpssa.202300358&partnerID=40&md5=263be62218e7f9ab4050550c8381d2ab	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	18626300
Kadian A.; Manikandan V.; Dev K.; Kumar V.; Yang C.-J.; Lin B.-H.; Chen C.L.; Dong C.L.; Asokan K.; Annapoorni S.	Probing size-dependent defects in zinc oxide using synchrotron techniques: impact on photocatalytic efficiency	2023	Physical Chemistry Chemical Physics	25	37		25639	0	10.1039/d3cp02923a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172811767&doi=10.1039%2fd3cp02923a&partnerID=40&md5=3575deaebba6f8cfe74284570790bf81	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076

Vijayan A.K.; Sreehari M.S.; Kour S.; Dastider S.G.; Mondal K.; Sharma A.L.	Theoretical investigation of quantum capacitance of Co-doped α-MnO2 for supercapacitor applications using density functional theory	2023	Physical Chemistry Chemical Physics	25	37		25789	0	10.1039/d3cp03080f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172784908&doi=10.1039%2fd3cp03080f&partnerID=40&md5=3769eadc5f2b2d0b1430411a7c39a74a	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076
Puri N.; Tandon R.P.; Padmavati M.V.G.; Mahapatro A.K.	Defect states in graphene oxide mixed nanostructured calcium cobalt oxide	2023	Journal of Alloys and Compounds	963		171232		3	10.1016/j.jallcom.2023.171232	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164308369&doi=10.1016%2fj.jallcom.2023.171232&partnerID=40&md5=d40dac927efe8072d0a19d069220ede0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Sharma P.; Hasan M.R.; Khanuja M.; Rawal R.; Shivani; Pilloton R.; Narang J.	Aptamer-based silver nanoparticle decorated paper platform for electrochemical detection ovarian cancer biomarker PDGF	2023	Materials Chemistry and Physics	306		128114		0	10.1016/j.matchemphys.2023.128114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163307547&doi=10.1016%2fj.matchemphys.2023.128114&partnerID=40&md5=7f9190fb338b16cef9b70c78d7b70075	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584
Kaur D.; Verma S.K.	Inaccessibility regions for the sterile neutrino searches at the long baseline experiments	2023	Nuclear Physics B	995		116319		0	10.1016/j.nuclphysb.2023.116319	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170405219&doi=10.1016%2fj.nuclphysb.2023.116319&partnerID=40&md5=1102e9043a8e03700738c2f93a7fa4ef	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	5503213
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Exotic Higgs Boson Decays Formula Presented with Events Containing Two Merged Diphotons in Proton-Proton Collisions at Formula Presented	2023	Physical Review Letters	131	10	101801		0	10.1103/PhysRevLett.131.101801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172288800&doi=10.1103%2fPhysRevLett.131.101801&partnerID=40&md5=2c6ff11536c662bec970260d2ccb12e6	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the tt¯ charge asymmetry in events with highly Lorentz-boosted top quarks in pp collisions at s=13 TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	846		137703		1	10.1016/j.physletb.2023.137703	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174014472&doi=10.1016%2fj.physletb.2023.137703&partnerID=40&md5=7b365557108a3a533031b263a7f88980	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	A search for new physics in central exclusive production using the missing mass technique with the CMS detector and the CMS-TOTEM precision proton spectrometer	2023	European Physical Journal C	83	9	827		0	10.1140/epjc/s10052-023-11687-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171863149&doi=10.1140%2fepjc%2fs10052-023-11687-5&partnerID=40&md5=41795ccc976271830f227eb725317222	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Pawaria S.; Ahlawat J.; Dahiya S.; Ohlan A.; Punia R.; Murugavel S.; Maan A.S.	Investigation of AC conductivity and dielectric relaxation of lithium modified zinc borate semiconducting glasses for energy storage applications	2023	Journal of Non-Crystalline Solids	620		122592		1	10.1016/j.jnoncrysol.2023.122592	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169066324&doi=10.1016%2fj.jnoncrysol.2023.122592&partnerID=40&md5=31d8a638bc869b3c413f95745b3baf95	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	223093
Srivastava P.; Naja M.; Seshadri T.R.	Sources and Radiative Impact of Carbonaceous Aerosols Using Four Years Ground-Based Measurements over the Central Himalayas	2023	Aerosol and Air Quality Research	23	10	220381		1	10.4209/aaqr.220381	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172667821&doi=10.4209%2faaqr.220381&partnerID=40&md5=c06c9a2d1175e196f714b7fd5a44614c	Department of Physics and Astrophysics, University of Delhi, ...	AAGR Aerosol and Air Quality Research	16808584
Shruti; Behera B.R.; ...; Chakraborty K.; ...; Mandal S.; ...	Probing binary fragmentation dynamics of 48 Ti + 232 Th reaction at an excitation energy of 63.5 MeV	2023	European Physical Journal A	59	10	238		0	10.1140/epja/s10050-023-01135-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174532804&doi=10.1140%2fepja%2fs10050-023-01135-z&partnerID=40&md5=592415f08391ef64e496e290e86c87b5	Department of Physics and Astrophysics, University of Delhi, ...	Springer	14346001
Kumar K.; Prasad V.	Control of Correlation Using Confinement in Case of Quantum System	2023	Annalen der Physik	535	10	2300166		0	10.1002/andp.202300166	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171421986&doi=10.1002%2fandp.202300166&partnerID=40&md5=531f68659ce41cff368a47d90933bdc7	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	33804

Pandey A.; Bhushan R.; Rohilla A.; Chakraborty S.; Singh R.P.; Ojha S.; Mehta D.; Kailash; Kumar S.; Chamoli S.K.	Fabrication of thin Molybdenum backed target using rolling method	2023	Applied Radiation and Isotopes	199		110860	1	10.1016/j.apradiso.2023.110860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161260138&doi=10.1016%2fj.apradiso.2023.110860&partnerID=40&md5=c49cb10caad3b6a9ab2036e7144e2437	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9698043
Panigrahi A.R.; Yadav P.; Beura S.K.; Singh J.; Dastider S.G.; Singh S.K.; Mondal K.	Probing interaction of atherogenic lysophosphatidylcholine with functionalized graphene nanosheets: theoretical modelling and experimental validation	2023	Journal of Molecular Modeling	29	10	310	0	10.1007/s00894-023-05717-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170393674&doi=10.1007%2fs00894-023-05717-y&partnerID=40&md5=0691d646e8a82f60363b62b23ff17bd1	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	16102940
Kumari M.; Jindal K.; Tomar M.; Jha P.K.	Effect of 3d transition metal doping on the structural, electronic, & magnetic properties of BiCoO3 using first principles study	2023	Journal of Magnetism and Magnetic Materials	588		171383	0	10.1016/j.jmmm.2023.171383	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174178198&doi=10.1016%2fj.jmmm.2023.171383&partnerID=40&md5=bbb489a128f5fe7541caf7cd86a92ba4	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3048853
Kumar P.; Kumar A.; Vedeshwar A.G.	Correlation of cation-anion radii ratio with physical and electronic properties of scintillator materials barium dihalides (BaX2, X = F, Cl, Br, I): DFT calculations and experimental results	2023	Solid State Communications	371		115281	0	10.1016/j.ssc.2023.115281	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165132624&doi=10.1016%2fj.ssc.2023.115281&partnerID=40&md5=58d5cc5ace4f8bd2978d2a47e571ff32	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	381098
Chakraborty S.; Sharma H.P.; ...; Kumar S.; ...	Incipient reflection asymmetry in 127Xe	2023	Nuclear Physics A	1037		122706	0	10.1016/j.nuclphysa.2023.122706	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163647806&doi=10.1016%2fj.nuclphysa.2023.122706&partnerID=40&md5=8e3e16b6a4235d38780058ba821b051c	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3759474
Kamboj O.; Gupta D.N.; Kant N.	Stimulated Raman scattering coupled with decay instability in a magnetized plasma with hot drifting electrons	2023	Modern Physics Letters B	37	28	2350137	0	10.1142/S0217984923501373	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165128782&doi=10.1142%2fS0217984923501373&partnerID=40&md5=365ae5d733d91b532001be8bc102904c	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2179849
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for new heavy resonances decaying to WW, WZ, ZZ, WH, or ZH boson pairs in the all-jets final state in proton-proton collisions at s=13TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	844		137813	2	10.1016/j.physletb.2023.137813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167995430&doi=10.1016%2fj.physletb.2023.137813&partnerID=40&md5=adcc95f3c187b81e77679d953973c024	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Das S.; Hussain S.; Nandi D.; Ramos R.O.; Silva R.	Stability analysis of warm quintessential dark energy model	2023	Physical Review D	108	8	83517	0	10.1103/PhysRevD.108.083517	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178293847&doi=10.1103%2fPhysRevD.108.083517&partnerID=40&md5=a8225d22046fb46ab4bb1590573e601d	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Reconstruction of decays to merged photons using end-to-end deep learning with domain continuation in the CMS detector	2023	Physical Review D	108	5	52002	2	10.1103/PhysRevD.108.052002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175427508&doi=10.1103%2fPhysRevD.108.052002&partnerID=40&md5=36e789bac76c2b4e795270d266539f01	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sahoo S.; Prasad A.; Ramaswamy R.	Stasis in heterogeneous networks of coupled oscillators: discontinuous transition with hysteresis	2023	Journal of Physics: Complexity	4	3	35001	1	10.1088/2632-072X/ace1c4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165392904&doi=10.1088%2f2632-072X%2face1c4&partnerID=40&md5=47d95b4f89a174e0fde2adcde649439c	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	2632072X
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Evidence for four-top quark production in proton-proton collisions at s=13TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	844		138076	0	10.1016/j.physletb.2023.138076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165684059&doi=10.1016%2fj.physletb.2023.138076&partnerID=40&md5=29d8434252323 5ca9ede2f240aacd18	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Tsoutsoumanos E.; Saleh M.; Konstantinidis P.G.; Altunal V.; Sahare P.D.; Yengigil Z.; Karakasidis T.; Kitis G.; Polymeris G.S.	Nanostructured TLDs: Studying the impact of crystalline size on the Thermoluminescence glow-curve shape and electron trapping parameters	2023	Radiation Physics and Chemistry	212		111067		2	10.1016/j.radphyschem.2023.111067	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164333760&doi=10.1016%2fj.radphyschem.2023.111067&partnerID=40&md5=817ed31bf7ccdc3add8c4fd38227b8c5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0969806X
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the top quark mass using a profile likelihood approach with the lepton + jets final states in proton–proton collisions at √s=13TeV	2023	European Physical Journal C	83	10	963		1	10.1140/epjc/s10052-023-12050-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174914881&doi=10.1140%2fepjc%2fs10052-023-12050-4&partnerID=40&md5=76ca8b351d57fc2e2561378f1e82b6ac	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Saneesh N.; Arora D.; Chatterjee A.; Kumar N.; Parihari A.; Kumar C.; Ahmed I.; Kumar S.; Kumar M.; Jhingan A.; Golda K.S.; Vinodkumar A.M.; Sugathan P.	Impact of multichance fission on fragment-neutron correlations in Pa 227	2023	Physical Review C	108	3	34609		0	10.1103/PhysRevC.108.034609	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172478096&doi=10.1103%2fPhysRevC.108.034609&partnerID=40&md5=d5bb16ae78f7412d3cc03a4a53f9f0d2	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Sharma R.; Jain C.; Paul B.; Seshadri T.R.	AstroSat observation of the magnetar SGR J1830-0645 during its first detected X-ray outburst	2023	Monthly Notices of the Royal Astronomical Society	526	4		4877	0	10.1093/mnras/stad3026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176428308&doi=10.1093%2fmnras%2fstad3026&partnerID=40&md5=c85bd6e35738ba89bcfe7fcc6319f454	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Gupta G.; Bala N.; Rath S.	Electrochemical performance of ZnMgO photoanodes prepared by a green synthesis route	2023	MRS Communications	13	6		1196	0	10.1557/s43579-023-00422-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168280883&doi=10.1557%2fs43579-023-00422-6&partnerID=40&md5=c80d85e17ded473ada3c22b1e12eefee	Department of Physics and Astrophysics, University of Delhi, ...	Springer Nature	21596859
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for CP violation using (Formula presented.) events in the lepton+jets channel in pp collisions at √s = 13 TeV	2023	Journal of High Energy Physics	2023	6	81		2	10.1007/JHEP06(2023)081	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166183738&doi=10.1007%2fJHEP06%282023%29081&partnerID=40&md5=d7e18b9370a871959392f9228f81a234	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Singh A.; Kharangarh P.; Gupta V.	Enhanced energy storage efficiency with superior thermal stability under low electric field and large electric field driven strain in environment-friendly Bi0.5Na0.5TiO3 based ferroelectric modified with LiNbO3	2023	Journal of Alloys and Compounds	945		169181		4	10.1016/j.jallcom.2023.169181	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148072579&doi=10.1016%2fj.jallcom.2023.169181&partnerID=40&md5=8bf8ecedbd09c0f0572463542ca1c776	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Bai B.; Sahare P.D.	Effect of redox reactions on the thermoluminescence characteristics of Cu-doped NaLi2PO4 phosphors	2023	RSC Advances	13	29		20298	1	10.1039/d3ra02498a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165539558&doi=10.1039%2fd3ra02498a&partnerID=40&md5=75693cf60d8d56f8154b0c07440cd212	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20462069
Nautiyal V.K.; Gupta V.; Gautam R.; Upadhyay P.	Comparative investigation of 1D photonic crystal of magneto-optical and electro-optical materials with a nanocomposite of three/four-phase mixtures	2023	Optical and Quantum Electronics	55	6	549		0	10.1007/s11082-023-04824-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159850219&doi=10.1007%2fs11082-023-04824-7&partnerID=40&md5=14648c99bae9aa264d790f0b1ac8104e	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3068919
Kumar R.; Singh K.; Kumar P.; Kaur A.	Highly porous activated carbon prepared from the bio-waste of yellow mustard seed for high-capacity supercapacitor applications	2023	Materials Chemistry and Physics	304		127869		2	10.1016/j.matchemphys.2023.127869	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157992592&doi=10.1016%2fj.matchemphys.2023.127869&partnerID=40&md5=15c3a6713ad92df901f4a990b6f0bcc0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584

Parveen S.; Hashmi S.A.	Flexible gel polymer electrolyte comprising high flash point solvent adiponitrile with ethylene carbonate as co-solvent for sodium-ion batteries	2023	Journal of Energy Storage	67		107519		0	10.1016/j.est.2023.107519	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156105832&doi=10.1016%2fj.est.2023.107519&partnerID=40&md5=cb1d7164c7c46ccf6f885a82f65a5dd3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Observation of electroweak W+W− pair production in association with two jets in proton-proton collisions at s=13TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	841		137495		0	10.1016/j.physletb.2022.137495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162185661&doi=10.1016%2fj.physletb.2022.137495&partnerID=40&md5=6e3d5bb2a77a680c71256726a640ffdc	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Sivasubramaniyam V.; Ramasamy S.; Venkatraman M.; Gatto G.; Kumar A.	Carbon Nanotubes as an Alternative to Copper Wires in Electrical Machines: A Review	2023	Energies	16	9	3665		1	10.3390/en16093665	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159380114&doi=10.3390%2fen16093665&partnerID=40&md5=920745f0ad6042a0deecf7ae6eb703f6	Department of Physics and Astrophysics, University of Delhi, ...	MDPI	19961073
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for CP violation in t t ¯ H and tH production in multilepton channels in proton-proton collisions at √s = 13 TeV	2023	Journal of High Energy Physics	2023	7	92		2	10.1007/JHEP07(2023)092	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166214210&doi=10.1007%2fJHEP07%282023%29092&partnerID=40&md5=c3859cc62d3462db9899220641347e7f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Pagonis V.; Polymeris G.S.; Kitis G.; Sahare P.D.	The effect of particle size on the radiation dose response of luminescence signals from nanophosphors	2023	Radiation Measurements	166		106965		1	10.1016/j.radmeas.2023.106965	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163745798&doi=10.1016%2fj.radmeas.2023.106965&partnerID=40&md5=2af3d79d36af882d99f27d0b68cdf998	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13504487
Bhaskar A.; Chaurasia Y.; Deka K.; Mandal T.; Mitra S.; Mukherjee A.	Right-handed neutrino pair production via second-generation leptoquarks	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	843		138039		0	10.1016/j.physletb.2023.138039	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163509604&doi=10.1016%2fj.physletb.2023.138039&partnerID=40&md5=a1ee4d40b4d7fd5553581cf2d0359752	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Dahiya A.; Krishnan R.; Senthil Kumar P.	Position and Orientation dependent Hybridization and Energy transfer of Dipole Emitter around Plasmonic Homodimers	2023	ChemistrySelect	8	21	e202204272		0	10.1002/slct.202204272	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161525597&doi=10.1002%2fslct.202204272&partnerID=40&md5=3f60511a8e85ee76c3db1545a0b69736	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	23656549
Sharma L.; Sahare P.D.	Mechanoluminescence, thermoluminescence, optically stimulated luminescence and photoluminescence in SrAl2O4:Eu micro- and nanophosphors: effect of particle size and annealing in different atmospheres	2023	RSC Advances	13	36		25579	1	10.1039/d3ra02514d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171302316&doi=10.1039%2fd3ra02514d&partnerID=40&md5=aa0307958adfab5eef11f6d3f3387156	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20462069
Kumar D.; Rani N.; Jain D.; Mahajan S.; Mukherjee A.	Gamma rays bursts: a viable cosmological probe?	2023	Journal of Cosmology and Astroparticle Physics	2023	7	21		0	10.1088/1475-7516/2023/07/021	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164964215&doi=10.1088%2f1475-7516%2f2023%2f07%2f021&partnerID=40&md5=4318816b1592ef7d4f2ffa7648c675a3	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	14757516
Das J.; Kumar N.	Veltman criteria in the beyond standard model effective field theory of a complex scalar triplet	2023	Physical Review D	108	3	35048		0	10.1103/PhysRevD.108.035048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172811042&doi=10.1103%2fPhysRevD.108.035048&partnerID=40&md5=28e09d07cf06a63f7a9accc033f2a36c	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010

Bharati M.; Rana L.; Gupta R.; Sharma A.; Jha P.K.; Tomar M.	Simulation and Fabrication of Higher-Mode Lamb Wave Acoustic Devices for Sensing Applications	2023	Physica Status Solidi (A) Applications and Materials Science	220	14	2200760		0	10.1002/pssa.202200760	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162866171&doi=10.1002%2fpssa.202200760&partnerID=40&md5=bb2538953b4e871856eed47db6095315	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	18626300
Kumar M.; Kumar R.; Kumar K.; Verma U.; Kaushik R.	Electron impact ionization cross-sections for CH3 and SiH3 radical targets	2023	Chemical Physics Impact	6		100210		1	10.1016/j.chphi.2023.100210	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152965599&doi=10.1016%2fj.chphi.2023.100210&partnerID=40&md5=69040c003cdb963a6de35beca6a9cb33	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	26670224
Chakraborty S.; Sharma H.P.; ...; Kumar S.; ...	Three-quasineutron 3-band in 127Xe	2023	Journal of Physics G: Nuclear and Particle Physics	50	7	75106		0	10.1088/1361-6471/acd86a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163350279&doi=10.1088%2f1361-6471%2facd86a&partnerID=40&md5=79786595ce0522d1cc22ef4751127195	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	9543899
Kumar J.; Das Gupta P.; Ghosh S.	Effects of nonlinear membrane capacitance in the Hodgkin-Huxley model of action potential on the spike train patterns of a single neuron	2023	EPL	142	6	67002		0	10.1209/0295-5075/acd80c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164583867&doi=10.1209%2f0295-5075%2facd80c&partnerID=40&md5=df918edca55726e688cf6f63d7c316a7	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	2955075
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Constraints on anomalous Higgs boson couplings to vector bosons and fermions from the production of Higgs bosons using the ττ final state	2023	Physical Review D	108	3	32013		0	10.1103/PhysRevD.108.032013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172851246&doi=10.1103%2fPhysRevD.108.032013&partnerID=40&md5=67618e2cb5a65951c126af7c296fdcbb	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Miglani R.; Gupta R.; Sharma A.; Tomar M.; Chowdhuri A.	Ba1−xSr xTiO3 thin-film-based X-band selective coplanar waveguide microwave resonator using SiO2 as buffer layer	2023	Journal of Materials Research	38	16		4009	0	10.1557/s43578-023-01118-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165572119&doi=10.1557%2fs43578-023-01118-2&partnerID=40&md5=266f14b589a108b97b4b435b0cae1b35	Department of Physics and Astrophysics, University of Delhi, ...	Springer Nature	8842914
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for long-lived particles decaying to a pair of muons in proton-proton collisions at √s = 13 TeV	2023	Journal of High Energy Physics	2023	5	228		6	10.1007/JHEP05(2023)228	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164839983&doi=10.1007%2fJHEP05%282023%29228&partnerID=40&md5=60bd1d4d6915344a9c2936082733db5f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Das D.; Das J.; Kumar G.; Sahoo N.	Λb → Λ (→pπ-)ℓ+ℓ- as probe of CP -violating new physics	2023	Physical Review D	108	1	15001		0	10.1103/PhysRevD.108.015001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164929343&doi=10.1103%2fPhysRevD.108.015001&partnerID=40&md5=075ebc6bcc520e9da9ed39cc6e6d8df0	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kakkar A.; Sarkar S.	Phases of theories with fermions in AdS	2023	Journal of High Energy Physics	2023	6	9		2	10.1007/JHEP06(2023)009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160923075&doi=10.1007%2fJHEP06%282023%29009&partnerID=40&md5=882f0cf5ab72952c7fd411e0b9560a91	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Naveenkumar K.R.; Kannappan P.; Asokan K.; Arul K.T.; Dong C.-L.; Gupta G.; Senthil K.; Dhanasekaran R.; Anand G.T.	Studies on structural and optical characterization of Na:ZnS nanocomposites	2023	Physica Scripta	98	7	75948		0	10.1088/1402-4896/acdda7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164220726&doi=10.1088%2f1402-4896%2facdda7&partnerID=40&md5=6af6ebc8efef682c02b5e8c595ee694a	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	318949

Verma M.; Haridas D.; Tanwar A.; Menon R.; Jain R.; Sreenivas K.	Effect of annealing temperature and thickness on the structural and optical properties of strontium bismuth niobate films	2023	Thin Solid Films	776		139885	0	10.1016/j.tsf.2023.139885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159130132&doi=10.1016%2fj.tsf.2023.139885&partnerID=40&md5=f9c47234ef5499479dbdd906fd03cc08e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	406090
Rajan A.; Gupta V.; Arora K.	Thickness dependent ultraviolet photoconductivity studies on sol-gel derived zinc oxide (ZnO) films	2023	Materials Today Communications	35		105507	3	10.1016/j.mtcomm.2023.105507	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147548667&doi=10.1016%2fj.mtcomm.2023.105507&partnerID=40&md5=3d7885a766a16944491935f9f956ee69	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	CMS pythia 8 colour reconnection tunes based on underlying-event data	2023	European Physical Journal C	83	7	587	2	10.1140/epjc/s10052-023-11630-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166304036&doi=10.1140%2fepjc%2fs10052-023-11630-8&partnerID=40&md5=b21a7a96027674144cc245155523fb0e	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Gupta R.; Sharma S.C.; Gupta R.; Gupta D.N.	Beam-Driven Growth of Lower Hybrid Wave in a Magnetized Relativistic Beam-Plasma System	2023	Journal of Fusion Energy	42	1	25	0	10.1007/s10894-023-00365-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161086632&doi=10.1007%2fs10894-023-00365-9&partnerID=40&md5=a2d4039bf129cd75924ecdf73f13ddcc	Department of Physics and Astrophysics, University of Delhi, ...	Springer	1640313
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for a heavy composite Majorana neutrino in events with dilepton signatures from proton-proton collisions at s=13 TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	843		137803	0	10.1016/j.physletb.2023.137803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165710255&doi=10.1016%2fj.physletb.2023.137803&partnerID=40&md5=3f00340d9c57847610e0567e17366748	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Singh J.; Dawra D.; Verma N.; Jha A.K.S.; Kumar P.; Dimri M.; Mohan M.	Study of electron impact excitation of H-like Si13+ ion in dense plasma environment	2023	New Astronomy	101		102001	1	10.1016/j.newast.2023.102001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146601644&doi=10.1016%2fj.newast.2023.102001&partnerID=40&md5=623306498c1fcb3bf6509550da4320d9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13841076
Kumarasamy S.; Banerjee M.; Varshney V.; Shrimali M.D.; Kuznetsov N.V.; Prasad A.	Saddle-node bifurcation of periodic orbit route to hidden attractors	2023	Physical Review E	107	5	L052201	0	10.1103/PhysRevE.107.L052201	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163127707&doi=10.1103%2fPhysRevE.107.L052201&partnerID=40&md5=dc3ea8a78d69355a79e4be56072d4b73	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700045
Bangruwa N.; Suryansh; Peralta M.; Gutierrez R.; Cuniberti G.; Mishra D.	Sequence-controlled chiral induced spin selectivity effect in ds-DNA	2023	Journal of Chemical Physics	159	4	44702	0	10.1063/5.0157931	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166480255&doi=10.1063%2f5.0157931&partnerID=40&md5=f20ab38f7f210d18a3d018afbf11b909	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	219606
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Azimuthal Correlations within Exclusive Dijets with Large Momentum Transfer in Photon-Lead Collisions	2023	Physical Review Letters	131	5	51901	2	10.1103/PhysRevLett.131.051901	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168371955&doi=10.1103%2fPhysRevLett.131.051901&partnerID=40&md5=b9767838be1d917f603ef1384e2622f3	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Higgs Boson and Observation of Z Boson through Their Decay into a Charm Quark-Antiquark Pair in Boosted Topologies in Proton-Proton Collisions at Formula Presented	2023	Physical Review Letters	131	4	41801	2	10.1103/PhysRevLett.131.041801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174180574&doi=10.1103%2fPhysRevLett.131.041801&partnerID=40&md5=52c4cb99970622e134ac9fb6b5beb702	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007

Saini R.; Gautam D.; Roy S.	Periodic stacking of two dimensional Bismuth bi-layers in Bismuth stearate thin films	2023	Journal of Physics Condensed Matter	35	34	345001		0	10.1088/1361-648X/acd42e	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160871512&doi=10.1088%2f1361-648X%2facd42e&partnerID=40&md5=3ebcbc0805906463b8fd210cf23a8c02	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	9538984
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Higgs Boson Decay to a Charm Quark-Antiquark Pair in Proton-Proton Collisions at sqrt[s]=13 TeV	2023	Physical review letters	131	6		61801	4	10.1103/PhysRevLett.131.061801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168736680&doi=10.1103%2fPhysRevLett.131.061801&partnerID=40&md5=8b743f47f2b49f789d6abf1ef3cf096f	Department of Physics and Astrophysics, University of Delhi, ...	NLM (Medline)	10797114
Gupta D.N.; Gurjar M.C.; Jain A.	Terahertz generation by a rotating relativistic electron beam in a magnetized plasma column	2023	Journal of Plasma Physics	89	4	9.06E+08		0	10.1017/S0022377823000685	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167810450&doi=10.1017%2fS0022377823000685&partnerID=40&md5=85f1c7e2b50c1b0eed444445dceda2d6	Department of Physics and Astrophysics, University of Delhi, ...	Cambridge University Press	223778
Gadre S.S.; Singh B.; Tripathi A.; Malinen E.; Pandey A.	An investigation of luminescence properties of CaF2: Dy nanophosphor irradiated with gamma rays and low energy proton beams	2023	Applied Radiation and Isotopes	197		110821		0	10.1016/j.apradiso.2023.110821	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154061144&doi=10.1016%2fj.apradiso.2023.110821&partnerID=40&md5=6d1ee80d1b96bc07eae7f861038f6318	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9698043
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for direct pair production of supersymmetric partners of τ leptons in the final state with two hadronically decaying τ leptons and missing transverse momentum in proton-proton collisions at Formula Presented	2023	Physical Review D	108	1	12011		5	10.1103/PhysRevD.108.012011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170495994&doi=10.1103%2fPhysRevD.108.012011&partnerID=40&md5=e61a83de0b4cc7a1ede32084a595f2b6	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Sharma P.; Jain C.; Dutta A.	Torque reversal and cyclotron absorption feature in HMXB 4U 1538−522	2023	Monthly Notices of the Royal Astronomical Society	522	4		5608	0	10.1093/mnras/stad1285	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161583281&doi=10.1093%2fmnras%2fstad1285&partnerID=40&md5=fb3eb9e3a5a66b5f605f6021d041d2a6	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Adiba A.; Waris; Munjal S.; Khan M.Z.; Ahmad T.	Piezo-photocatalytic degradation of organic pollutant by a novel BaTiO3–NiO composite	2023	European Physical Journal Plus	138	5	408		1	10.1140/epjp/s13360-023-04029-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159952186&doi=10.1140%2fepjp%2fs13360-023-04029-7&partnerID=40&md5=4759e32c0d059e36bf9405fbe4ec6e42	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	21905444
Kumar A.; Kumar P.; Vedeshwar A.G.	Anisotropic excitonic absorption in SbI3 films: Theory and experiment	2023	Materials Letters	343		134359		0	10.1016/j.matlet.2023.134359	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152144266&doi=10.1016%2fj.matlet.2023.134359&partnerID=40&md5=728de3266835ac293b33858aa23e781d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	0167577X
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for nonresonant Higgs boson pair production in final state with two bottom quarks and two tau leptons in proton-proton collisions at s=13 TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	842		137531		5	10.1016/j.physletb.2022.137531	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162773963&doi=10.1016%2fj.physletb.2022.137531&partnerID=40&md5=d1b2f57c22a57c86202782283b946453	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Kumar P.; Sharma R.; Saifullah M.; Singh A.; Bhardwaj V.; Kansal M.K.; Verma V.	Effect of K+ cation doping on structural and morphology of MgFe2O4 and their role in green electrical energy generation	2023	Journal of Alloys and Compounds	944		169169		3	10.1016/j.jallcom.2023.169169	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147916840&doi=10.1016%2fj.jallcom.2023.169169&partnerID=40&md5=2aaa56dedaf6150c27463394569defb3	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the Bs 0→μ+μ− decay properties and search for the B0 → μ+μ− decay in proton-proton collisions at s=13TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	842		137955		18	10.1016/j.physletb.2023.137955	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162802416&doi=10.1016%2fj.physletb.2023.137955&partnerID=40&md5=3f710445bc723168b419a6b47aa5e52d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693

Mukherjee A.; Bhattacharya S.; ...; Kumar S.; ...	Evidence of transverse wobbling motion in Eu 151	2023	Physical Review C	107	5	54310		2	10.1103/PhysRevC.107.054310	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161319761&doi=10.1103%2fPhysRevC.107.054310&partnerID=40&md5=38bd2195861c76c12281b65eca28a76c	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Ashish; Gopal K.; Singh S.; Gupta D.N.	High-intensity laser pulse interaction with a counter propagating electron beam for terahertz field generation in magnetized plasmas	2023	Optical and Quantum Electronics	55	7	605		1	10.1007/s11082-023-04889-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159219007&doi=10.1007%2fs11082-023-04889-4&partnerID=40&md5=49d19ec9032895799afc90d4e7e088cc	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3068919
Banday A.; Shahid R.; Gupta M.; Murugavel S.	Tunable electronic structure of heterosite FePO4: an in-depth structural study and polaron transport	2023	RSC Advances	13	27		18332	0	10.1039/d3ra01366a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164144152&doi=10.1039%2fd3ra01366a&partnerID=40&md5=1bb3a550fa1e77a77b18df12bb738368	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20462069
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for a massive scalar resonance decaying to a light scalar and a Higgs boson in the four b quarks final state with boosted topology	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	842		137392		1	10.1016/j.physletb.2022.137392	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162777773&doi=10.1016%2fj.physletb.2022.137392&partnerID=40&md5=250e89c066d086316702a3f67a653c9b	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the mass dependence of the transverse momentum of lepton pairs in Drell–Yan production in proton–proton collisions at √s=13TeV	2023	European Physical Journal C	83	7	628		0	10.1140/epjc/s10052-023-11631-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166640317&doi=10.1140%2fepjc%2fs10052-023-11631-7&partnerID=40&md5=53520c39a30edddf38a124c0e1bd5999	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurement of the electroweak production of Formula Presented in association with two jets in proton-proton collisions at Formula Presented	2023	Physical Review D	108	3	32017		0	10.1103/PhysRevD.108.032017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171648790&doi=10.1103%2fPhysRevD.108.032017&partnerID=40&md5=4f928d4e709c71708f57f83f1740c522	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for electroweak production of charginos and neutralinos at s=13TeV in final states containing hadronic decays of WW, WZ, or WH and missing transverse momentum	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	842		137460		8	10.1016/j.physletb.2022.137460	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162748879&doi=10.1016%2fj.physletb.2022.137460&partnerID=40&md5=f4783e4ea01f4afa0233d319ecb5ca6a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Measurement of νμ charged-current inclusive π0 production in the NOvA near detector	2023	Physical Review D	107	11	112008		0	10.1103/PhysRevD.107.112008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163443039&doi=10.1103%2fPhysRevD.107.112008&partnerID=40&md5=9813a91435812ff654c41f7957735b1c	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Varsha N.; Kria M.; Nautiyal V.V.; Lakaal K.; Laroze D.; Pérez L.M.; Prasad V.; Feddi E.	Optical properties of donor impurity in Yukawa like potential: application to SiGe/Si and Si/SiGe	2023	Physica Scripta	98	5	55914		0	10.1088/1402-4896/acc7d5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152474589&doi=10.1088%2f1402-4896%2facc7d5&partnerID=40&md5=43cc4047ad5ca774d9d2ca3221ef6c5d	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	318949
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Azimuthal correlations in Z +jets events in proton–proton collisions at √s=13TeV	2023	European Physical Journal C	83	8	722		0	10.1140/epjc/s10052-023-11833-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168571194&doi=10.1140%2fepjc%2fs10052-023-11833-z&partnerID=40&md5=043a032df6e66ac082b5eaadbda3370b	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044

Gambhir M.; Kumar P.; Kumar T.; Mohan M.	Investigation of linear and third-order nonlinear optical properties in a laser-dressed parabolic quantum dot with a hydrogenic donor impurity in the presence of a static electric field	2023	Indian Journal of Physics	97	7		2169	2	10.1007/s12648-022-02572-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146174392&doi=10.1007%2fs12648-022-02572-0&partnerID=40&md5=7aecf41b5ed44a80e1fd61e3b966e207	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9731458
Swami R.; Shandilya A.; Shukla A.K.; Kumar P.S.; Sreenivas K.	Luminescence intensity ratio based wide range contactless temperature sensing properties of Er3+/Yb3+ ions co-doped La2Ti2O7 ceramics	2023	Journal of Alloys and Compounds	948		169610		4	10.1016/j.jallcom.2023.169610	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152045794&doi=10.1016%2fj.jallcom.2023.169610&partnerID=40&md5=c023b381bf8917a046259e6097bbfa03	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for nonresonant Higgs boson pair production in the four leptons plus twob jets final state in proton-proton collisions at √s = 13 TeV	2023	Journal of High Energy Physics	2023	6	130		1	10.1007/JHEP06(2023)130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168333803&doi=10.1007%2fJHEP06%282023%29130&partnerID=40&md5=5df6aa1a9a30068d3e35f1d6ad93aa0f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Dua S.; Kumar P.; Pani B.; Kaur A.; Khanna M.; Bhatt G.	Stability of carbon quantum dots: a critical review	2023	RSC Advances	13	20		13845	8	10.1039/d2ra07180k	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159180534&doi=10.1039%2fd2ra07180k&partnerID=40&md5=214c67d4e2f5cd481adfd2f3ad1c8996	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	20462069
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Nonresonant Pair Production of Highly Energetic Higgs Bosons Decaying to Bottom Quarks	2023	Physical Review Letters	131	4	41803		3	10.1103/PhysRevLett.131.041803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167760550&doi=10.1103%2fPhysRevLett.131.041803&partnerID=40&md5=7983e2146a9990be7640bad3c92d809c6	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Yadav P.; Saini R.; Bhaduri A.	Facile synthesis of MgO nanoparticles for effective degradation of organic dyes	2023	Environmental Science and Pollution Research	30	28		71439	6	10.1007/s11356-022-21925-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134199762&doi=10.1007%2fs11356-022-21925-0&partnerID=40&md5=e12a7e30bc1aca5c2efd8ce8eb18ce9c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	9441344
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Precision measurement of the Z boson invisible width in pp collisions at s=13 TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	842		137563		1	10.1016/j.physletb.2022.137563	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162818851&doi=10.1016%2fj.physletb.2022.137563&partnerID=40&md5=f89272bcb2aaa4c15c4ad51fbfcadfee	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Dahiya A.; Singh S.S.	Equation of State of 2 + 1 Flavor Quarks in Magnetized PNJL Model	2023	Few-Body Systems	64	2	31		0	10.1007/s00601-023-01809-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160096192&doi=10.1007%2fs00601-023-01809-w&partnerID=40&md5=dcf106985aedefbd92f305b716bd01fe	Department of Physics and Astrophysics, University of Delhi, ...	Springer	1777963
Singh A.P.; Varshney P.; Jain A.; Gupta D.N.; Kundu M.; Gopal K.	Effect of laser intensity redistribution on terahertz field generation via laser wakefield in a magnetized plasma	2023	Indian Journal of Physics	97	10		3119	1	10.1007/s12648-023-02687-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151620357&doi=10.1007%2fs12648-023-02687-y&partnerID=40&md5=9203fbf9c16a7fb3235f8356dcde09c1	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9731458
Pandey A.; Bhushan R.; Rohilla A.; Majumder C.; Sharma H.P.; Chakraborty S.; Singh R.P.; Muralithar S.; Yashraj; Katre K.; Rohila B.; Subodh; Kumar A.; Govil I.M.; Jehangir S.; Rather N.; Bhati G.H.; Wani A.A.; Sheikh J.A.; Chamoli S.K.	Revisiting band structures in 118Xe nucleus via in-beam γ-ray spectroscopy	2023	Chinese Physics C	47	8	84002		0	10.1088/1674-1137/acd83d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166003834&doi=10.1088%2f1674-1137%2facd83d&partnerID=40&md5=1f9eff7f23a456cc14f1f4509711bd3b	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	16741137

Hor A.A.; Yadav N.; Hashmi S.A.	Enhanced energy density quasi-solid-state supercapacitor based on an ionic liquid incorporated aqueous gel polymer electrolyte with a redox-additive trimethyl sulfoxonium iodide	2023	Journal of Energy Storage	64		107227		6	10.1016/j.est.2023.107227	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151423610&doi=10.1016%2fj.est.2023.107227&partnerID=40&md5=ff62f1690f7d3249836bc5a7beb384fe	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X
Verma N.; Jha A.K.S.; Dawra D.; Dimri M.; Mohan M.	Photoionization of Na-like Si IV using R-matrix method	2023	European Physical Journal D	77	7	134		0	10.1140/epjd/s10053-023-00716-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165228857&doi=10.1140%2fepjd%2fs10053-023-00716-3&partnerID=40&md5=55540b3f3c96138794e0f2c0d33eff46	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Dahiya A.; Senthil Kumar P.	Tailoring the directional dependent emitter interaction based plasmonic antenna character of Ag–Au heterodimer	2023	Optics and Laser Technology	162		109254		0	10.1016/j.optlastec.2023.109254	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147848098&doi=10.1016%2fj.optlastec.2023.109254&partnerID=40&md5=83ffcd9c4e55cbc9fda3ca6557f6215a	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	303992
Kumar N.; Bhardwaj A.; Singh H.P.; Das S.; Marconi M.; Kanbur S.M.; Prugniel P.	Predicting light curves of RR Lyrae variables using artificial neural network based interpolation of a grid of pulsation models	2023	Monthly Notices of the Royal Astronomical Society	522	1		1504	1	10.1093/mnras/stad937	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160962689&doi=10.1093%2fmnras%2fstad937&partnerID=40&md5=f28bbf73a1aea7714a82851cfeb43b00	Department of Physics and Astrophysics, University of Delhi, ...	Oxford University Press	358711
Bharati M.; Rana L.; Gupta R.; Sharma A.; Jha P.K.; Tomar M.	Fabrication of Surface Acoustic wave resonator as Acousto-optic Modulator	2023	Optical Materials	142		114088		0	10.1016/j.optmat.2023.114088	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164239660&doi=10.1016%2fj.optmat.2023.114088&partnerID=40&md5=ec9b6d46a51402c031f8c7ea713500ec	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9253467
Deka K.; Mandal T.; Mukherjee A.; Sadhukhan S.	Leptogenesis in an anomaly-free U(1) extension with higher-dimensional operators	2023	Nuclear Physics B	991		116213		0	10.1016/j.nuclphysb.2023.116213	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154593600&doi=10.1016%2fj.nuclphysb.2023.116213&partnerID=40&md5=6ec6c9c61c4a09b31f84eb6800ebc995	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	5503213
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for top squarks in the four-body decay mode with single lepton final states in proton-proton collisions at √s = 13 TeV	2023	Journal of High Energy Physics	2023	6	60		2	10.1007/JHEP06(2023)060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168275841&doi=10.1007%2fJHEP06%282023%29060&partnerID=40&md5=047733573b53d638e946f0abf3dbc381	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for heavy resonances and quantum black holes in eμ, eτ, and μτ final states in proton-proton collisions at √s = 13 TeV	2023	Journal of High Energy Physics	2023	5	227		4	10.1007/JHEP05(2023)227	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168283181&doi=10.1007%2fJHEP05%282023%29227&partnerID=40&md5=1d52b00a0fcc19b9c4b5f8bd9977eb34	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Yadav G.; Jindal K.; Tomar M.	Fabrication of GaN-based MSM droplet triboelectric nanogenerator by the conjunction of photovoltaic and triboelectric effect	2023	Journal of Alloys and Compounds	944		169178		0	10.1016/j.jallcom.2023.169178	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147739297&doi=10.1016%2fj.jallcom.2023.169178&partnerID=40&md5=db1504a7c7d3ffebd98522fbf97685f9	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9258388
Bharati M.; Rana L.; Jindal K.; Gupta R.; Sharma A.; Tomar M.	Lamb Wave Resonator for UV Photodetection and Impact of Induced Piezopotential on Schottky Barrier Height Toward Enhanced Sensitivity	2023	IEEE Sensors Journal	23	10		10568	0	10.1109/JSEN.2023.3265854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153512230&doi=10.1109%2fJSEN.2023.3265854&partnerID=40&md5=d4abec45e6a3ea3f25c9c2e22cc6973d	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Electrical and Electronics Engineers Inc.	1530437X
Chraya A.; Muralichandran Y.; Sethi G.	Variable Chaplygin gas: constraints from supernovae, GRB and gravitational wave merger events	2023	Astrophysics and Space Science	368	7	54		0	10.1007/s10509-023-04211-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163980150&doi=10.1007%2fs10509-023-04211-4&partnerID=40&md5=ed4e180593d620eb549fc35cd728ab3e	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media B.V.	0004640X

Prajapati V.; Deo N.	Thermodynamic properties of substrate-induced graphene superlattice in homogeneous magnetic field	2023	EPL	143	2	26006		0	10.1209/0295-5075/ace4ef	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166224944&doi=10.1209%2f0295-5075%2face4ef&partnerID=40&md5=2f8031ef7d9e98adda52ad417cc301dc	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	2955075
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for CP violating top quark couplings in pp collisions at √s = 13 TeV	2023	Journal of High Energy Physics	2023	7	23		1	10.1007/JHEP07(2023)023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166271575&doi=10.1007%2fJHEP07%282023%29023&partnerID=40&md5=889256f8ceec34ca17252b5d0082d71c	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	10298479
Ashanujjaman S.; Maharathy S.P.	Probing compressed mass spectra in the type-II seesaw model at the LHC	2023	Physical Review D	107	11	115026		1	10.1103/PhysRevD.107.115026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163563219&doi=10.1103%2fPhysRevD.107.115026&partnerID=40&md5=4519639f0b55cfcd90de78d41edc141e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Probing Heavy Majorana Neutrinos and the Weinberg Operator through Vector Boson Fusion Processes in Proton-Proton Collisions at Formula Presented	2023	Physical Review Letters	131	1	11803		5	10.1103/PhysRevLett.131.011803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165482367&doi=10.1103%2fPhysRevLett.131.011803&partnerID=40&md5=5304a8c4928dcbe4a45a1acb8432a6c0	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Sawant K.K.; Satapathy A.; Mahimkar K.; Krishnamurthy S.; Kaur A.; Kandasubramanian B.; Raj A.A.B.	Recent Advances in MXene Nanocomposites as Electromagnetic Radiation Absorbing Materials	2023	Journal of Electronic Materials	52	6		3576	4	10.1007/s11664-023-10325-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151507981&doi=10.1007%2fs11664-023-10325-w&partnerID=40&md5=1f6a0259f7457f9fda8c48e66eae06df	Department of Physics and Astrophysics, University of Delhi, ...	Springer	3615235
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for new physics using effective field theory in 13 TeV pp collision events that contain a top quark pair and a boosted Z or Higgs boson	2023	Physical Review D	108	3	32008		1	10.1103/PhysRevD.108.032008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174048476&doi=10.1103%2fPhysRevD.108.032008&partnerID=40&md5=ef183273205179d10624605e390c240e	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Measurements of jet multiplicity and jet transverse momentum in multijet events in proton–proton collisions at √s=13TeV	2023	European Physical Journal C	83	8	742		0	10.1140/epjc/s10052-023-11753-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169125459&doi=10.1140%2fepjc%2fs10052-023-11753-y&partnerID=40&md5=0aff7940b6ff2f2814e69276a25cfb14	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for narrow resonances in the Formula Presented-tagged dijet mass spectrum in proton-proton collisions at Formula Presented	2023	Physical Review D	108	1	12009		0	10.1103/PhysRevD.108.012009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173465206&doi=10.1103%2fPhysRevD.108.012009&partnerID=40&md5=5532a5e8368f9bd43f4e2baec76388f4	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kritika N.; Pant M.; Yadav M.; Verma A.K.; Mahapatro A.K.; Roy I.	Comparative analysis of cobalt ferrite and iron oxide nanoparticles using bimodal hyperthermia, along with physical and in silico interaction with human hemoglobin	2023	Journal of Materials Chemistry B	11	21		4785	2	10.1039/d2tb02447k	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159795203&doi=10.1039%2fd2tb02447k&partnerID=40&md5=31819808b534de950c8d3aae4684f01d	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	2050750X
Chakraborty K.; Senthil Kannan M.T.; Sadhukhan J.; Mandal S.	Systematic study of prescission neutron multiplicity: Revealing the role of entrance channel magicity	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	843		138021		0	10.1016/j.physletb.2023.138021	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162174780&doi=10.1016%2fj.physletb.2023.138021&partnerID=40&md5=3185314d98e79e0b23ef7447421c2493	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Jain R.; Sharma J.; Tiwari I.; Gadre S.D.; Kumarasamy S.; Parmananda P.; Prasad A.	In-phase and mixed-phase measure synchronization of camphor rotors	2023	Physical Review E	108	2	24217		0	10.1103/PhysRevE.108.024217	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169299473&doi=10.1103%2fPhysRevE.108.024217&partnerID=40&md5=6b3e8f298e0837651040d21c83e98d7c	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700045

Gogoi P.B.; Kumarasamy S.; Prasad A.; Ramaswamy R.	Phase slips in coupled oscillator systems	2023	Physical Review E	108	1	14209		1	10.1103/PhysRevE.108.014209	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166740120&doi=10.1103%2fPhysRevE.108.014209&partnerID=40&md5=b243e376e66b33b79072926b7e88fea5	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700045
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Search for Higgs boson decays into Z and J/ψ and for Higgs and Z boson decays into J/ψ or Y pairs in pp collisions at s=13 TeV	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	842		137534		3	10.1016/j.physletb.2022.137534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162841356&doi=10.1016%2fj.physletb.2022.137534&partnerID=40&md5=c6cb8a861b6e36486565b92776a01846	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3702693
Gupta V.; Singh N.S.; Kumar L.; Annapoorni S.	Temperature dependent characteristics of flexible p-PANI/n-ZnO based hybrid heterojunction diode	2023	Nanotechnology	34	25	255202		1	10.1088/1361-6528/acc40a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152118917&doi=10.1088%2f1361-6528%2facc40a&partnerID=40&md5=8ef498e3d0c1fd80f5d06fb1291d7ba8	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	9574484
Anjana; Vyas M.K.; Chandra A.	Flexible electromagnetic absorber in X-band using a polymer electrolyte having mixed conduction	2023	Journal of Materials Research	38	9		2422	2	10.1557/s43578-023-00973-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150068903&doi=10.1557%2fs43578-023-00973-3&partnerID=40&md5=c6bdf048e96b7e85005a2f4eb94f188f	Department of Physics and Astrophysics, University of Delhi, ...	Springer Nature	8842914
Kaur S.; Bharadvaja A.; Baluja K.L.	Low to high energy electron interactions with AlCl	2023	European Physical Journal D	77	7	142		0	10.1140/epjd/s10053-023-00707-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165334281&doi=10.1140%2fepjd%2fs10053-023-00707-4&partnerID=40&md5=409dc1ad8f9eebc3fa6538377dd17963	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346060
Kumar V.; Kumar N.	Unveiling the Attracting Regions in Photogravitational Four-Body Problem Including the Effect of Asteroids Belts	2023	Astronomy Reports	67	6		667	0	10.1134/S1063772923060082	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171652082&doi=10.1134%2fS1063772923060082&partnerID=40&md5=a00d0000ff0c9247d83c1f665f893b0e	Department of Physics and Astrophysics, University of Delhi, ...	Pleiades Publishing	10637729
Kamboj O.; Gupta D.N.; Kant N.	Effect of chirp on stimulated-forward Raman scattering in a magnetised plasma with rippled density for fusion applications	2023	Physica Scripta	98	7	75606		0	10.1088/1402-4896/acdbf1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163376503&doi=10.1088%2f1402-4896%2facdbf1&partnerID=40&md5=23c51ce0a171976c40086c43732baa49	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	318949
Bai B.; Sahare P.D.	OSL Characteristics of Cu Activated NaLi2 PO4 Phosphor	2023	Indian Journal of Engineering and Materials Sciences	30	3		376	0	10.56042/ijems.v30i3.3806	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168415678&doi=10.56042%2fijems.v30i3.3806&partnerID=40&md5=0f188a3a7b4d69c2447d3e2dde07e16f	Department of Physics and Astrophysics, University of Delhi, ...	National Institute of Science Communication and Policy Research	9714588
Arora M.; Giri R.; Varsha; Kumar K.; Yadav C.; Vidhani B.; Gambhir M.; Prasad V.	Effect of electric and magnetic field on thermal property of two dimensional harmonic oscillator	2023	Results in Physics	45		106225		1	10.1016/j.rinp.2023.106225	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146539201&doi=10.1016%2fj.rinp.2023.106225&partnerID=40&md5=0039b1b656bad095031d43ba338daa16	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	22113797
Sirunyan A.M.; Tumasyan A.; ...; Bhardwaj A.; Choudhary B.C.; ...Kumar A.; Naimuddin M.; ...; Ranjan K.; ...	Erratum: Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV (The European Physical Journal C, (2018), 78, 6, (509), 10.1140/epjc/s10052-018-5950-6)	2023	European Physical Journal C	83	2	145		0	10.1140/epjc/s10052-023-11272-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168448576&doi=10.1140%2fepjc%2fs10052-023-11272-w&partnerID=40&md5=cc4481303fbe701d4496b68662c8b937	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044

Yadav N.; Deo N.	Magnetotransport in Weyl semimetal with and without disorder and the effect of tilted magnetic field	2023	Physica E: Low-Dimensional Systems and Nanostructures	148		115601		0	10.1016/j.physe.2022.115601	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144601894&doi=10.1016%2fj.physe.2022.115601&partnerID=40&md5=b9463bdb37b433c28108d88ef349ba44	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13869477
Bangruwa N.; Bhartiya P.K.; Mishra D.	A novel spin-based label-free electrochemical dna hybridization biosensor and its applications for dengue virus detection	2023	Sensors and Actuators B: Chemical	382		133447		2	10.1016/j.snb.2023.133447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147698597&doi=10.1016%2fj.snb.2023.133447&partnerID=40&md5=3dfdb089835b53caf69d5684ca518729	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9254005
Asir M.P.; Thamilmaran K.; Prasad A.; Feudel U.; Kuznetsov N.V.; Shrimali M.D.	Hidden strange nonchaotic dynamics in a non-autonomous model	2023	Chaos, Solitons and Fractals	168		113101		0	10.1016/j.chaos.2023.113101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146432924&doi=10.1016%2fj.chaos.2023.113101&partnerID=40&md5=cc0586519f473e1ce0bbe0aba1adb8fb	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	9600779
Kumar A.; Mukherjee S.; Sharma H.; Rana D.K.; Kumar A.; Kumar R.; Choubey R.K.	Fabrication of low-cost and fast-response visible photodetector based on ZnS:Mn/p-Si heterojunction	2023	Materials Science in Semiconductor Processing	155		107226		24	10.1016/j.mssp.2022.107226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142765983&doi=10.1016%2fj.mssp.2022.107226&partnerID=40&md5=7d14ed2e07d7947e14650a804ec6c5ab	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13698001
Yadav G.; Jindal K.; Tomar M.	Influence of pulsed laser deposited hafnium oxide thin film as gate dielectric on the fabrication of Al0.1Ga0.9N/GaN MOS-HEMT	2023	Materials Science in Semiconductor Processing	153		107136		2	10.1016/j.mssp.2022.107136	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139371556&doi=10.1016%2fj.mssp.2022.107136&partnerID=40&md5=c976aa61a4153b34658462e9beedb54e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13698001
Kumar P.; Kumar A.; Dhawan T.; Vedeshwar A.G.	First principle calculation of structural, electronic, optical, elastic and thermodynamic properties of group IIA metal iodides: Structure-property correlation	2023	Journal of Physics and Chemistry of Solids	175		111195		1	10.1016/j.jpcs.2022.111195	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145665890&doi=10.1016%2fj.jpcs.2022.111195&partnerID=40&md5=bf9ab4237d9d8707485bdac92e572769	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	223697
Singh V.; Sathe V.G.; Rath S.	Raman spectroscopic study of the layer-dependent Davydov splitting and thermal conductivity of chemically vapor deposited two-dimensional MoSe2	2023	Applied Physics Letters	122	4	42201		1	10.1063/5.0123628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146910178&doi=10.1063%2f5.0123628&partnerID=40&md5=848d62b8076bf1c326891346444e2e2f	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	36951
Yadav F.; Goyal A.; Singh N.	Analysis of line intensity ratio for optical transitions of 3d6 levels and plasma screening effect on atomic structure of Fe III ion	2023	Radiation Physics and Chemistry	206		110795		0	10.1016/j.radphyschem.2023.110795	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148030410&doi=10.1016%2fj.radphyschem.2023.110795&partnerID=40&md5=3af793fc53e7524e63e42282f31d3fc2	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	0969806X
Ahmad T.; Jindal K.; Tomar M.; Jha P.K.	Theoretical insight of origin of Rashba-Dresselhaus effect in tetragonal and rhombohedral phases of BiFeO3	2023	Physical Chemistry Chemical Physics	25	7		5857	1	10.1039/d2cp04852c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148250800&doi=10.1039%2fd2cp04852c&partnerID=40&md5=5a098f61f6bfed45c419bd1e98aa2fe6	Department of Physics and Astrophysics, University of Delhi, ...	Royal Society of Chemistry	14639076
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Measurement of the ve -Nucleus Charged-Current Double-Differential Cross Section at «ev »=2.4 GeV Using NOvA	2023	Physical Review Letters	130	5	51802		2	10.1103/PhysRevLett.130.051802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147710252&doi=10.1103%2fPhysRevLett.130.051802&partnerID=40&md5=c2320a62fc34b0329e4c7ca8bd1f5097	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	319007
Jeengar C.; Tomar M.; Jindal K.; Sharma A.; Jha P.K.	Influence of post deposition annealing on thermoelectric properties of In2Se3 thin films	2023	Materials Science in Semiconductor Processing	153		107127		2	10.1016/j.mssp.2022.107127	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139329611&doi=10.1016%2fj.mssp.2022.107127&partnerID=40&md5=6260fad2f1c711cbb57af9761d82d9e5	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	13698001

Sehrawat P.; Parveen S.; Hashmi S.A.	High-performance sodium ion conducting gel polymer electrolyte based on a biodegradable polymer polycaprolactone	2023	Energy Storage	5	2	e375		3	10.1002/est2.375	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133399253&doi=10.1002%2fest2.375&partnerID=40&md5=1967db69bd137f3930eeb842924c4d5a	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	25784862
Rao A.K.; Kumar A.; Jain K.; Kaur A.	Design and development of an unprecedented phosphorescent bidentate iridium (III) complex exhibiting green electroluminescence	2023	Materials Today Communications	34		104973		0	10.1016/j.mtcomm.2022.104973	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145553337&doi=10.1016%2fj.mtcomm.2022.104973&partnerID=40&md5=fee630b24bd99129357b96261f8575d0	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Venkatraman M.; Kadian A.; Choudhary S.; Subramanian A.; Singh A.; Sikarwar S.	Ultra-Fast Benzene Gas (C6H6) Detection Characteristics of Cobalt-Doped Aluminum Oxide Sensors	2023	ChemistrySelect	8	5	e202204531		1	10.1002/slct.202204531	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147365063&doi=10.1002%2fslct.202204531&partnerID=40&md5=f32db7d64738aeecf65a534a12f3b12f	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	23656549
Chakraborty I.; Roy H.; Srivastava T.	Searches for heavy neutrinos at multi-TeV muon collider: a resonant leptogenesis perspective	2023	European Physical Journal C	83	4	280		0	10.1140/epjc/s10052-023-11406-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153078492&doi=10.1140%2fepjc%2fs10052-023-11406-0&partnerID=40&md5=da0f87b432ba0a8f28d8d2c7eb06be2d	Department of Physics and Astrophysics, University of Delhi, ...	Institute for Ionics	14346044
Bassi M.; Baluja K.L.	Moments of probability density of Hydrogen atom in a cage	2023	Indian Journal of Physics	97	3		719	0	10.1007/s12648-022-02463-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139207013&doi=10.1007%2fs12648-022-02463-4&partnerID=40&md5=7b59bbd1612d465b46e8ddf92d333109	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9731458
Bhardwaj A.; Marconi M.; Rejkuba M.; de Grijs R.; Singh H.P.; Braga V.F.; Kanbur S.; Ngeow C.-C.; Ripepi V.; Bono G.; De Somma G.; Dall'Ora M.	Precise Empirical Determination of Metallicity Dependence of Near-infrared Period-Luminosity Relations for RR Lyrae Variables	2023	Astrophysical Journal Letters	944	2	L51		1	10.3847/2041-8213/acba7f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148771867&doi=10.3847%2f2041-8213%2facba7f&partnerID=40&md5=aacbc3d6afa243f44bf89fb6a970e97c	Department of Physics and Astrophysics, University of Delhi, ...	American Astronomical Society	20418205
Malik G.P.; Varma V.S.	On the Generalized BCS Equations Incorporating Chemical Potential for the Tc and the Calculation of the Coherence Length of Some Elements and Compressed H3S	2023	Journal of Low Temperature Physics	211	#####		45	1	10.1007/s10909-023-02938-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147363244&doi=10.1007%2fs10909-023-02938-6&partnerID=40&md5=72e2370baea0473c44d40a6c253a55ae	Department of Physics and Astrophysics, University of Delhi, ...	Springer	222291
Chaudhary V.; Awan H.T.A.; Khalid M.; Bhadola P.; Tandon R.; Khosla A.	Progress in engineering interlayer space modulated MXenes to architect next-generation airborne pollutant sensors	2023	Sensors and Actuators B: Chemical	379		133225		15	10.1016/j.snb.2022.133225	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146003363&doi=10.1016%2fj.snb.2022.133225&partnerID=40&md5=4d045e294660ab54d41081642b583736	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9254005
Pandey V.; Adiba A.; Nehla P.; Munjal S.; Ahmad T.	Bipolar resistive switching with multiple intermediate resistance states in Mn3O4 thin film	2023	Materials Today Communications	34		105484		6	10.1016/j.mtcomm.2023.105484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147108617&doi=10.1016%2fj.mtcomm.2023.105484&partnerID=40&md5=91eee2c0cd671d2e72f1c855d6122887	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	23524928
Bharati M.; Rana L.; Gupta R.; Sharma A.; Jha P.K.; Tomar M.	Realization of a DNA biosensor using inverted Lamb wave MEMS resonator based on ZnO/SiO2/Si/ZnO membrane	2023	Analytica Chimica Acta	1249		340929		2	10.1016/j.aca.2023.340929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147899050&doi=10.1016%2fj.aca.2023.340929&partnerID=40&md5=bf390da811de87c1e1babae92687bb9d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	32670

Pandey G.N.; Kumar N.; Singh P.; Thapa K.B.	Transmittance Properties of Metamaterial and Dielectric Based One-Dimensional Ternary Periodic Structure	2023	Macromolecular Symposia	407	1	2200016		0	10.1002/masy.202200016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148544566&doi=10.1002%2fmasy.202200016&partnerID=40&md5=550dc8039bed605d879b25ce9d7a2198	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	10221360
Adiba A.; Pandey V.; Ahmad T.; Nehla P.; Munjal S.	Multilevel resistive switching with negative differential resistance in Al/NiO/ZnFe2O4/ITO ReRAM device	2023	Physica B: Condensed Matter	654		414742		5	10.1016/j.physb.2023.414742	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148001484&doi=10.1016%2fj.physb.2023.414742&partnerID=40&md5=49ddff9c511a7112de1f40eb31ad2ca2	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	9214526
Talwar J.; Bhardwaj A.; Soni N.D.	Global Trends in Silicon Carbide Biosensor Research: A Bibliometric Study	2023	Journal of Scientometric Research	12	2		372	0	10.5530/jscires.12.2.033	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173503011&doi=10.5530%2fjscires.12.2.033&partnerID=40&md5=6742716269da035238a8474132e90a0d	Department of Physics and Astrophysics, University of Delhi, ...	Phcog.Net	23216654
Kawondera R.; Bonechi M.; Maccioni I.; Giurlani W.; Salzillo T.; Venuti E.; Mishra D.; Fontanesi C.; Innocenti M.; Mehlana G.; Mtangi W.	Chiral “doped” MOFs: an electrochemical and theoretical integrated study	2023	Frontiers in Chemistry	11		1215619		0	10.3389/fchem.2023.1215619	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168488538&doi=10.3389%2ffchem.2023.1215619&partnerID=40&md5=785c0c9b08019f9622880b7ea95ab6e3	Department of Physics and Astrophysics, University of Delhi, ...	Frontiers Media SA	22962646
Gupta R.K.; Kar S.; Nitish R.; Verma M.	Exact Geometries from Boundary Gravity	2023	International Journal of Theoretical Physics	62	3	61		0	10.1007/s10773-023-05325-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149952746&doi=10.1007%2fs10773-023-05325-9&partnerID=40&md5=db1ac7cdd1b0c3ae527382bc12f3b4bf	Department of Physics and Astrophysics, University of Delhi, ...	Springer	207748
Singh S.S.; Jena M.; Gupta K.K.; Saxena G.	Three loop correction in the formation of QGP droplet	2023	Indian Journal of Physics	97	5		1543	0	10.1007/s12648-022-02478-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142680154&doi=10.1007%2fs12648-022-02478-x&partnerID=40&md5=6b1db08f61c7fdf349499b2f2887bbf2	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9731458
Akarsu Ö.; Di Valentino E.; Kumar S.; Özyiğit M.; Sharma S.	Testing spatial curvature and anisotropic expansion on top of the ΛCDM model	2023	Physics of the Dark Universe	39		101162		8	10.1016/j.dark.2022.101162	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144498658&doi=10.1016%2fj.dark.2022.101162&partnerID=40&md5=2f37313bba65e4fdd71822414b57f019	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	22126864
Kumar D.; Jain D.; Mahajan S.; Mukherjee A.; Rana A.	Constraints on the transition redshift using Hubble phase space portrait	2023	International Journal of Modern Physics D	32	6	2350039		3	10.1142/S0218271823500396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158002715&doi=10.1142%2fS0218271823500396&partnerID=40&md5=cbdb7149418fdb2c5db56f10a005d8eb	Department of Physics and Astrophysics, University of Delhi, ...	World Scientific	2182718
Varsha; Arora M.; Gambhir M.; Prasad V.	Anomalous Stark effect and optical properties of exciton in a quantum dot with linear potential under ionized donor hydrogenic impurity	2023	Current Applied Physics	48			17	0	10.1016/j.cap.2023.01.004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147420293&doi=10.1016%2fj.cap.2023.01.004&partnerID=40&md5=1361680b51be6ea8f959197ce465a43e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	15671739
Acero M.A.; Adamson, P.; ...; Choudhary B.C.; ...	Measurement of the double-differential muon-neutrino charged-current inclusive cross section in the NOvA near detector	2023	Physical Review D	107	5	52011		0	10.1103/PhysRevD.107.052011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151296824&doi=10.1103%2fPhysRevD.107.052011&partnerID=40&md5=b5a0b97d5f6df868f814accbbb50ac74	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Lamichhane S.; Sharma S.; Tomar M.; Chowdhuri A.	Impact of laser energy on resistive switching properties of BiFeO3 thin films	2023	Materials Chemistry and Physics	293		126824		2	10.1016/j.matchemphys.2022.126824	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140479167&doi=10.1016%2fj.matchemphys.2022.126824&partnerID=40&md5=554cdc9f60a5837c947925ac0cbe93ee	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2540584

Chetna; Dhaka S.K.; Longiany G.; Panwar V.; Kumar V.; Malik S.; Rao A.S.; Singh N.; Dimri A.P.; Matsumi Y.; Nakayama T.; Hayashida S.	Trends and Variability of PM2.5 at Different Time Scales over Delhi: Long-term Analysis 2007-2021	2023	Aerosol and Air Quality Research	23	5	220191		3	10.4209/aaqr.220191	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149441052&doi=10.4209%2faaqr.220191&partnerID=40&md5=2f1f9bd4adbaafca19ec501ce60d2a8f	Department of Physics and Astrophysics, University of Delhi, ...	AAGR Aerosol and Air Quality Research	16808584
Jeancolas C.; Singh A.Y.; Jain S.; Krishna S.; Nghe P.	An interdisciplinary effort to understand chemical organizations at the origin of life	2023	iScience	26	1	105834		0	10.1016/j.isci.2022.105834	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144893980&doi=10.1016%2fj.isci.2022.105834&partnerID=40&md5=56342c620cec267cf835fcfac0003e8d	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Inc.	25890042
Biswas R.; Nath S.; Gehlot J.; Gonika; Kumar C.; Parihari A.; Madhavan N.; Vinayak A.; Mahato A.; Noor S.; Sherpa P.; Sekizawa K.	Determination of 1p- and 2p-stripping excitation functions for 16 O+ 142 Ce using a recoil mass spectrometer	2023	European Physical Journal A	59	3	60		1	10.1140/epja/s10050-023-00975-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151288478&doi=10.1140%2fepja%2fs10050-023-00975-z&partnerID=40&md5=4986ddccd298582e7059be2d81d85ccf	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media Deutschland GmbH	14346001
Yadav J.; Safvan C.P.; Bhatt P.; Kumari P.; Singh J.; Rajput J.	Exploring three-body fragmentation of acetylene trication	2023	Journal of Chemical Physics	158	7	74302		0	10.1063/5.0135441	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148681990&doi=10.1063%2f5.0135441&partnerID=40&md5=9f95bb1298c8c8a35207ccd83d5c87ea	Department of Physics and Astrophysics, University of Delhi, ...	American Institute of Physics Inc.	219606
Mohit; Hashmi S.A.	Biodegradable poly-ε-caprolactone based porous polymer electrolytes for high performance supercapacitors with carbon electrodes	2023	Journal of Power Sources	557		232548		4	10.1016/j.jpowsour.2022.232548	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145295172&doi=10.1016%2fj.jpowsour.2022.232548&partnerID=40&md5=1debf0cb40d1b9d4479b7991e75053e1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	3787753
Shandilya A.; Sreenivas K.	Upconversion luminescence studies in (Er3+, Yb3+, and Mo6+) tri-doped SrWO4 ceramics	2023	Journal of Luminescence	253		119438		3	10.1016/j.jlumin.2022.119438	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140903143&doi=10.1016%2fj.jlumin.2022.119438&partnerID=40&md5=5bc7a71ddbb8922ad66539c75aefaba2	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	222313
Bhatt V.; Yadav S.; Jha P.K.; Bhattacherjee A.B.	Holstein–Primakoff (H-P) Approach to Determine the Optical Response of Hybrid Optomechanical System Containing Multiple Quantum Dots	2023	Annalen der Physik	535	2	2200484		0	10.1002/andp.202200484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146271372&doi=10.1002%2fandp.202200484&partnerID=40&md5=5f71c3cb1176775a8295c30412fe597d	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	33804
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Observation of triple J/ψ meson production in proton-proton collisions	2023	Nature Physics	19	3		338	5	10.1038/s41567-022-01838-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162051065&doi=10.1038%2fs41567-022-01838-y&partnerID=40&md5=56dc40c68873d54e26e8ae07ee67a7d1	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	17452473
Pandey G.N.; Kumar N.; Singh P.; Thapa K.B.; Shukla A.K.	Optical Properties of One-Dimensional Photonic Crystal Composed of Superconductor and Dielectric Layers with Liquid Crystal Layer as Defect	2023	Macromolecular Symposia	407	1	2200015		0	10.1002/masy.202200015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148538760&doi=10.1002%2fmasy.202200015&partnerID=40&md5=34f6a371c18cabcf73b7ebac2926bf54	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	10221360
Kumar S.; Shrivastava V.; Thakur O.P.; Luthra V.	Cumulative effect of yttrium and tin co-doping on the structural and ferroelectric properties of sol–gel derived barium titanate	2023	Journal of Sol-Gel Science and Technology	105	1		304	2	10.1007/s10971-022-05910-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136606433&doi=10.1007%2fs10971-022-05910-0&partnerID=40&md5=bbc6f3e8e10f8ca28b9c3b1140b7d6c8	Department of Physics and Astrophysics, University of Delhi, ...	Springer	9280707

Ali M.; Murugavel S.	Mechanism of Polaronic Conduction in Olivine Phosphates: An Influence of Crystallite Size	2023	Journal of Physical Chemistry C	127	1		585	0	10.1021/acs.jpcc.2c06144	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145297718&doi=10.1021%2facs.jpcc.2c06144&partnerID=40&md5=23ff715b342747c446c36d6e56177090	Department of Physics and Astrophysics, University of Delhi, ...	American Chemical Society	19327447
Tumasyan A.; Adam W.; ...; Bhardwaj A., Choudhary B.C.; ...; Kumar A.; Naimuddin M.; ... Ranjan K.; ...	Publisher Correction: Observation of triple J/ψ meson production in proton-proton collisions (Nature Physics, (2023), 19, 3, (338-350), 10.1038/s41567-022-01838-y)	2023	Nature Physics	19	3		461	0	10.1038/s41567-023-01992-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166245739&doi=10.1038%2fs41567-023-01992-x&partnerID=40&md5=ac5eaf59c042d3bdb996d311f00a2c71	Department of Physics and Astrophysics, University of Delhi, ...	Nature Research	17452473
Lamichhane S.; Sharma S.; Tomar M.; Chowdhuri A.	Studies on energy storage properties of BFO/WO3 bilayer thin film capacitor	2023	Energy Storage	5	2	e342		3	10.1002/est2.342	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139878852&doi=10.1002%2fest2.342&partnerID=40&md5=5509fcf2e255c83a83cd654c263270ee	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	25784862
Anjana; Chandra A.	Dual role of magnetic ionic liquid in EMI absorbing polymer composites of P(VDF-TrFE) and f-MWCNTs	2023	Journal of Polymer Research	30	2	78		3	10.1007/s10965-023-03460-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146655949&doi=10.1007%2fs10965-023-03460-9&partnerID=40&md5=05a65c86a8af59de8065c35f5abffaa5	Department of Physics and Astrophysics, University of Delhi, ...	Springer Science and Business Media B.V.	10229760
Khan A.K.; Wani S.S.; Shaikh A.; Yamin Y.; Shah N.A.; Aitenov Y.O.; Faizal M.; Lone S.	Deformation of nanowires and nanotubes	2023	EPL	141	5	52001		0	10.1209/0295-5075/acbbe7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149402678&doi=10.1209%2f0295-5075%2facbbe7&partnerID=40&md5=6af25a3c3682d9669801aa41f9a6401e	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	2955075
Prashant A.; Luthra M.; Goswami K.; Bharadvaja A.; Baluja K.L.	Positron Scattering from Pyrimidine	2023	Atoms	11	3	55		0	10.3390/atoms11030055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151074049&doi=10.3390%2fatoms11030055&partnerID=40&md5=76aedaccd0ac24a70b67a97dc5021131	Department of Physics and Astrophysics, University of Delhi, ...	MDPI	22182004
Kharangarh P.R.; Singh G.	Effect of Mo-Doped Strontium Cobaltite on Graphene Nanosheets for Creating a Superior Electrode in Supercapacitor Applications	2023	ECS Journal of Solid State Science and Technology	12	3	31006		5	10.1149/2162-8777/acc095	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150379427&doi=10.1149%2f2162-8777%2facc095&partnerID=40&md5=ad45c97a40b33ee953217a99689ba2ea	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	21628769
Balendra; Sanyukta; Ali M.; Murugavel S.	Cadmium-Based coordination polymers (CPs) constructed from two different V-Shaped dicarboxylate Ligands: Synthesis, structure and dielectric properties	2023	Inorganic Chemistry Communications	148		110280		1	10.1016/j.inoche.2022.110280	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144087375&doi=10.1016%2fj.inoche.2022.110280&partnerID=40&md5=503329906c1f806ac38420fca1f93192	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	13877003
Bandyopadhyay P.; Choudhury D.; Sachdeva D.	Semiannihilation of fermionic dark matter	2023	Physical Review D	107	1	15020		1	10.1103/PhysRevD.107.015020	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147301313&doi=10.1103%2fPhysRevD.107.015020&partnerID=40&md5=ab31940365dc3ddc6361c87edd9b9f30	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Balendra; Singh B.; Banday A.; Murugavel S.; Ramanan A.	Synthesis, structure and dielectric behavior study of Mn (II)-4,4′-sulfonyldibenzoate-auxiliary ligand system based coordination polymers (CPs)	2023	Journal of Molecular Structure	1274		134389		3	10.1016/j.molstruc.2022.134389	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140468018&doi=10.1016%2fj.molstruc.2022.134389&partnerID=40&md5=c24bb14ab1daff19ff07cd3d79761075	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	222860

Das S.; Sur S.	Gravitational lensing and missing mass	2023	Physics Open	15		100150		0	10.1016/j.physo.2023.100150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150429159&doi=10.1016%2fj.physo.2023.100150&partnerID=40&md5=f4e8e78c9f25f1ccd0c0908554e93f0f	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	26660326
Bhat M.Y.; Hashmi S.A.; Khan M.; Choi D.; Qurashi A.	Frontiers and recent developments on supercapacitor's materials, design, and applications: Transport and power system applications	2023	Journal of Energy Storage	58		106104		22	10.1016/j.est.2022.106104	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144536259&doi=10.1016%2fj.est.2022.106104&partnerID=40&md5=26dea6ede91c248f1a080019106d213e	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	2352152X
Ashanujjaman S.; Ghosh K.; Sahu R.	Low-mass doubly charged Higgs bosons at the LHC	2023	Physical Review D	107	1	15018		5	10.1103/PhysRevD.107.015018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147270543&doi=10.1103%2fPhysRevD.107.015018&partnerID=40&md5=966b04537b354f50eca1c4821a2ff487	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24700010
Kharangarh P.R.; Ravindra N.M.; Singh G.; Umapathy S.	Synthesis of luminescent graphene quantum dots from biomass waste materials for energy-related applications—An overview	2023	Energy Storage	5	3	e390		21	10.1002/est2.390	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135795531&doi=10.1002%2fest2.390&partnerID=40&md5=d23f7cf8297efa83eed1df5eaa314f37	Department of Physics and Astrophysics, University of Delhi, ...	John Wiley and Sons Inc	25784862
Joshi R.; Kumar P.; Kumar Singh Jha A.; Mohan M.	Above Threshold Ionization spectra for Debye plasma embedded atom interacting with femtosecond laser pulse	2023	Spectroscopy Letters	56	4		194	0	10.1080/00387010.2023.2194366	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152259363&doi=10.1080%2f00387010.2023.2194366&partnerID=40&md5=ea08fd950094b2ec76ad78c7c28e2981	Department of Physics and Astrophysics, University of Delhi, ...	Taylor and Francis Ltd.	387010
Sharma M.K.; Sur S.	Dynamical system analysis of interacting dark energy-matter scenarios at the linearized inhomogeneous level	2023	Physics of the Dark Universe	40		101192		1	10.1016/j.dark.2023.101192	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148956933&doi=10.1016%2fj.dark.2023.101192&partnerID=40&md5=6f569740991aec2ea908b957d16cf8d1	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier B.V.	22126864
Saini P.; Singh M.; Patil R.; Ma Y.-R.; Tandon R.P.; Singh S.P.; Mahapatro A.K.	Diffusion-assisted metallic invasion into graphene oxide layer in metal/graphene oxide/metal structures	2023	Journal of Materials Research	38	7		1832	0	10.1557/s43578-023-00926-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149045432&doi=10.1557%2fs43578-023-00926-w&partnerID=40&md5=76a3c80da993b9773a3bdf143aa881e2	Department of Physics and Astrophysics, University of Delhi, ...	Springer Nature	8842914
Alnajar M.H.; Sinha N.; Kumar B.	Remarkably enhanced piezoelectric and ferroelectric characteristics of Er:ZnO upon graphene addition for wearable self-powered piezoelectric sensors	2023	Materials Research Bulletin	161		112149		1	10.1016/j.materresbull.2023.112149	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146049194&doi=10.1016%2fj.materresbull.2023.112149&partnerID=40&md5=f915337b39b658d2b6912cf3fde72811	Department of Physics and Astrophysics, University of Delhi, ...	Elsevier Ltd	255408
Chatterjee S.; Mondal B.; ...; Neelam; ...	Single-particle configurations of low- and medium-spin states in Cu 63	2023	Physical Review C	107	2	24312		0	10.1103/PhysRevC.107.024312	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149678177&doi=10.1103%2fPhysRevC.107.024312&partnerID=40&md5=3d88ec9290f162e2faa6972b16e95116	Department of Physics and Astrophysics, University of Delhi, ...	American Physical Society	24699985
Kushwaha A.; Naskar A.; Nandi D.; Shankaranarayanan S.	Effective field theory of magnetogenesis identify necessary and sufficient conditions	2023	Journal of Cosmology and Astroparticle Physics	2023	1	45		0	10.1088/1475-7516/2023/01/045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147202632&doi=10.1088%2f1475-7516%2f2023%2f01%2f045&partnerID=40&md5=6482954f177fcb931ba9980792e7d7db	Department of Physics and Astrophysics, University of Delhi, ...	Institute of Physics	14757516