

CV of Prof. Bhartendu K. Singh

Name: Bhartendu K. Singh

Designation: Professor of Physics, Physics Department,
Banaras Hindu University (BHU)

At present: Professor of Natural Sciences Discipline
& Director, PDPM IITDM, Jabalpur

Born on: July 20, 1967

Address: Director

Tel: 0762-2794005 /9936847747

PDPM Indian Institute of Information Technology, Design & Manufacturing, Dumna Airport Road,
Jabalpur 482005, Madhya Pradesh (INDIA)

Email: director@iiitdmj.ac.in; bhartendu.k.singh@gmail.com; bksingh@bhu.ac.in

A. EDUCATIONAL:

B.Sc (Physics Hons) : L.N. Mithila University, Darbhanga (1986)
M.Sc. : Magadh University, Bodh Gaya (1989)
Ph.D. : Banaras Hindu University, Varanasi (1995)

B. PROFESSIONAL:

Research Associate : Banaras Hindu University, Varanasi, **India** (1996-1998)
Post Doctoral Fellow : Weizmann Institute of Science, **Israel** (1998-2001)
Post Doctoral Fellow : INFN, **Italy** (2002-2004)
Research Scientist : Columbia University, New York, **USA** (2004-2005)

C. APPOINTMENTS:

Director : PDPM Indian Institute of Information Technology, Design
& Manufacturing, Jabalpur (May 1, 2023-Present).
Professor : Natural Sciences Discipline, PDPM IITDM, Jabalpur
(May 01, 2023, onwards)
Professor : Physics Department, BHU (Dec 20, 2011 -April 30, 2023)
Associate Professor : Physics Department, BHU (Dec 20, 2008-Dec 19, 2011)
Reader : Physics Department, BHU (Dec 20, 2005-Dec 19, 2008)

D. RESEARCH INTEREST:

Nuclear & Particle Physics, Nuclear radiation Detection, Instrumentation, photodetectors, Material Science

E. RESEARCH & TEACHING EXPERIENCE:

Research (after Ph.D.): More than 30 years **Teaching:** More than 21 years (UG, PG and Ph.D.)

F. EXPERIENCE AS A TEAM LEADER (experience in guiding/mentoring):

Ph.D. produced: 14 (as a supervisor), 02 (as a co-Supervisor) & 01 (as an external Supervisor) **Total: 17**
Post Doc guidance: 03 PhD students: 02 (working)

S.No .	Name of Ph.D. Student	Title of Ph.D. Thesis	Year of Award (Univ.)	Present Institute	Present Position

As a Supervisor

1.	Dr. Ashwini Kumar	Study of multiparticle production in high energy nucleus-nucleus collisions	2015 (BHU)	R.M. Lohia Awadh Univ, Faizabad	Assistant Professor
2.	Dr. Arun Prakash	Di-muon measurements for the development of muon chamber and particle production in the CBM Experiment at FAIR	2014 (BHU)	Sarla Birla Univ, Ranchi	Assistant Professor
3.	Dr. Prakhar Garg	Higher moments of net-charge multiplicity distributions in Au + Au collisions in PHENIX experiment at RHIC	2015 (BHU)	Yale Univ, USA	Scientist
4.	Dr. Triloki	Experimental studies of structural, optical and photoemission properties of Cesium Iodide thin film photocathode for High Energy Physics applications	2016 (BHU)	Lovely Professional University, Panjab	Associate Professor
5.	Dr. Sunil Kumar	Studies of recoil ions produced in energetic electrons and ions collision with gaseous and solid targets	2018 (BHU)	IIIT (Bhopal)	Assistant Professor
6.	Dr. Richa Rai	Assessment for KBr thin film photocathode for FUV photo detector	2018 (BHU)	INFN, Trieste (Italy)	Post Doctoral Fellow
7.	Dr. Nabeel F A Jammal	Experimental studies of photoemission, optical, structural, and morphological properties of reflective and semi-transparent CsI photocathode	2018 (BHU)	Jordan University of Science and Technology, Irbid (Jordan)	Lecturer
8.	Dr. Bhupendra Singh	Studies of characteristic and Bremsstrahlung radiations emitted from some Thick Targets by impact of keV Electrons	2019 (BHU)	Central Univ. of Jharkhand, Ranchi	Assistant Professor
9.	Dr. Om Shiv Krishna Chaturvedi	Multiparticle production in nucleus-nucleus collisions at high energies: A wounded quark approach	2019 (BHU)	Kripalu Mahila Mahavidyalaya, Kunda, Pratapgarh	Assistant Professor
10.	Dr. Suman Prajapati	Investigations of Bremsstrahlung radiation produced from collisions of Low-KeV electrons with gaseous targets	2020 (BHU)	-	-
11.	Dr. Arpit Singh	A comprehensive study of particle production in nucleus-nucleus collisions at high energies under HYDJET ++ framework”	2023 (BHU)	IIT Bombay	Post Doctoral Fellow
12.	Dr. Saraswati Pandey	Investigation of Anisotropic flow and jet quenching in deformed Xe-Xe collisions at LHC using Monte Carlo HYDJET++ model	2023 (BHU)	University of Virginia, USA	Post Doctoral Fellow
13.	Dr. Gauri Devi	Study of (multi-) strange hadrons production in Au+Au and Pb+Pb collisions at RHIC and LHC energies	2024 (BHU)	Dhirendra Mahila Mahavidyalaya, Varanasi	Assistant Professor
14.	Dr. Vinita	Structural, fractal and optical investigations of Tin Sulphide thin film for photodetector application	2026 (BHU)	-	-
As a Co-Supervisor					

15.	Dr. Prashant Kumar Srivastava	Properties and signals of QCD phase transition, critical point, and quark gluon plasma	2014 (BHU)	Allahabad Degree College, Prayagraj	Assistant Professor
16.	Dr. Swatantra Kumar Tiwari	A phenomenological study of Quantum Chromodynamics (QCD) phase transition from hadron gas to quark-gluon plasma	2015 (BHU)	University of Allahabad, Prayagraj	Assistant Professor
As an External Supervisor					
17.	Dr. Ashok Kumar	Study of multiparticle production in nucleus-nucleus collisions at low to high energies	2012 (Shobhit Univ)	Shaheed Rajguru College of Applied Sciences for Women, Univ of Delhi	Assistant Professor

Post Doctoral Fellows Guidance:

1. Dr. Upendra Kumar Singh Kushwaha (Ph.D. (PRL): National Post Doctoral Fellow (2017-18) Presently working as an Asst. Professor in Physics Dept, University of Allahabad, Prayagraj.
2. Dr. Ajay Kumar (PhD (IIT Indore)): Dr. DS Kothari Post Doctoral Fellow (Dec 2017- Nov 2020). Presently working as an Assistant Professor in Kirorimal College, New Delhi.
3. Dr. Indrani Nilima (PhD (Central University of Jharkhand, Ranchi)): DST Woman Scientist (2023-2026).

G. SCIENTIFIC VISIT ABROAD: USA, UK, Israel, Italy, Japan, France, Switzerland, Greece, Austria, Germany, South Korea, Singapore, Jordan, Portugal, Spain & Egypt.

H. ADMINISTRATIVE ROLE:

- ✓ Project Coordinator, STRIDE (Scheme for Trans-disciplinary Research for India's Developing Economy), UGC new Project initiative for Higher Education Institutions (HEIs) at National Level (2019-2023).
- ✓ Coordinator, Internal Quality Assurance Cell (IQAC), BHU (2020-2023)
- ✓ Member, National Education Policy (NEP) 2020 Implementation Plan on "Research, Innovation and Rankings", University Grants Commission.
- ✓ Member, Institutions of Eminence (IoE) Governing body, BHU (2020-2023)
- ✓ Member, UGC Technical Expert Committee for Online courses (2019-2022)
- ✓ Member, BHU Court (2018-2021)
- ✓ Chairman, Internal Quality Assurance Cell (IQAC), Inst. Of Science, BHU (2016-2021)
- ✓ Chairman, Web development Committee, Inst. of Science, BHU (2016-2021)
- ✓ Member, BHU Apex Advisory Committee for BHU Examination (2018-2022)
- ✓ Member, BHU Faculty Development & Teachers Deputation Committee (2015-2023)
- ✓ Member, BHU SC/ST Grievance Cell (2015-2023)
- ✓ Professor- In- Charge, Institute of Science Seminar Complex, BHU (2016-2021)
- ✓ Dy. Prof. in Charge, Institute of Science, BHU (2012-2015)
- ✓ Deputy Coordinator, ISRO SSPS Program (2009-2020)

- ✓ BHU Representative, Management Committee, DAV Post Graduate College, Varanasi (Oct 2018-2020)
- ✓ Member, Internal Quality Assurance Cell, BHU (2019-2020)

I. MEMBERSHIP OF ACADEMIC/REGULATORY BODIES:

1. Member on panel of experts of University Grants Commission (UGC), Union Public Service Commission (UPSC), Public Service Commission of Himachal Pradesh, Uttar Pradesh, Orissa and Jammu & Kashmir.
2. Expert Member of UGC team to University of Allahabad, Kashmir University, Srinagar and Kumaun University under Special Assistance Programme (SAP).
3. Member of Board of Studies to Central University of Jharkhand, Ranchi (2015-2017), R.M.L. Awadh University, Faizabad (2016) and Patliputra University, Patna (2018).
4. Expert member of UGC team to Institute of Science, Mumbai (2018) and Govt. Science College, Jabalpur (2018) under colleges with potential for Excellence (CPE) Scheme.
5. UGC nominee on the Governing body of University Department of Physics, Mumbai University, Mumbai (2020-2025) and Chhatrapati Shivaji College, Satara, Maharashtra (2019-2024).
6. Visitor's nominee in the selection committee for appointment of Faculties and statutory posts in Central University of Jharkhand, Ranchi (2018-2021).
7. Visitor's nominee in the selection committee for appointment of Professors in Physics, Astronomy, Astrophysics and Space Engineering and space science in all Indian Institute of Technology (September 2024 onwards)
8. Senate member of National Institute of Technology (NIT), Durgapur (September 2024-2027)
9. Member, Academic Council of Gautam Buddha University, Greater Noida (Uttar Pradesh) (2025-2027)
10. Member, IUCAA Council (highest body of IUCAA, Pune), Pune (July 23, 2024-july 22, 2026)
11. Member, Expert Appraisal Committee (Infra 2) for Environmental impact assessment of projects requiring environmental clearance, Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India (2026 onwards).

J. RESEARCH PROJECTS UNDERTAKEN:

S. No.	Title of the Research Project	Duration (In Years)	Cost (In Lacs)	Funding Agency
1.	"A study on dynamical properties of multiply charged molecules of atmospheric interest by ion-ion coincidence time-of-flight technique" (PI)	2013-2017	Rs. 44.95 Lacs	D.S.T
2.	"Pre-operative Programme for Indian participation in the FAIR project at GSI (Darmstadt, Germany): Accelerator and detector related R & D and Prototyping. "	2009-2013	Rs. 67 Lacs	D.S. T

3.	“Space Science Activities at Indian Universities”: II Phase.”	2009-2014 2015-2020	Rs. 220 Lacs	I.S.R. O
4.	“An experimental study of Quark-Gluon Plasma in PHENIX experiment at RHIC (BNL, USA).”	2008-2011	Rs. 47 Lacs	D.S. T
5.	“Search for novel photocathode materials for VUV gaseous photon detectors”	2007-2010	Rs. 9.3 Lacs	C.S.I. R
6.	“Probing Quark-Gluon Plasma with leptonic observables with PHENIX detector at RHIC.”	2008-2011	Rs. 9.8 Lacs	D.A. E
7.	“Characterization of Resistive Plate Chamber Detectors.”	2010-2013	Rs. 40.0 Lacs	D.S. T
8.	“To study the ageing effects of Glass and Bakelite Resistive Plate Chamber Detectors.”	2010-2013	Rs. 30.0 Lacs	D.S. T
9.	“Study of mechanism & dynamics of fragmentation of molecules in edge-plasma relevant ion surface interaction.”	2010-2013	Rs. 72.0 Lacs	N.F. P

K. RESEARCH PUBLICATIONS (1992-2026): more than 270 research articles and technical papers published in SCI-indexed International Journals of repute.

***h-index:* 50**

Average Citations/paper: 24.74 (Reference: Web of Science)

a. Referred Scientific Articles (1992-2026):

2026		
276.	Azimuthal anisotropy of direct photons in Au+Au collisions at $\sqrt{s}=200$ GeV N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review C (2026) . https://doi.org/10.1103/21nh-lrvx	3.4
275.	Effects of geometrical configuration in isobaric collisions at RHIC energy Akash Das, Satya Ranjan Naik and B.K. Singh Eur. Phys. J. Plus (2026) 141: 613 . https://doi.org/10.1140/epjp/s13360-026-07861-9	2.9
274.	Physics-informed neural network (PINN) modeling of charged particle multiplicity using the two-component framework in heavy-ion collisions: A comparison with data-driven neural networks Akash Das, Satya Ranjan Nayak, and B. K. Singh Eur. Phys. J. Plus (2026) 141: 501 . https://doi.org/10.1140/epjp/s13360-026-07716-3	2.9
273.	Multifunctional SnS Thin Film for Next-Generation Room-Temperature Gas Sensing and High-Performance Photodetection Vinita and B.K. Singh , Advanced Engineering Materials (2026) 28, e70793 . https://doi.org/10.1002/adem.70793	3.6
272.	Two-particle cumulant distribution: a simulation study of higher moments. Satya Ranjan Naik, Akash Das and B.K. Singh Eur. Phys. J. Plus (2026) 141(4):387 https://10.1140/epjp/s13360-026-07644-2	2.9
271.	Medium-induced Quarkonium dissociation at finite chemical potential and weak magnetic field Indrani Nilima, M. Hasan, M Y Jamal, S.A. Khan and B K Singh Physical Review D 113, 074035 (2026) . https://doi.org/10.1103/zrfm-z9gc	5.3
270.	Cross sections of eta mesons in p+p collisions at forward rapidity at $\sqrt{s}=500$ GeV and central rapidity at $\sqrt{s}=510$ GeV N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review D 113, 092012 (2026) . https://doi.org/10.1103/zvkl-wrlc	5.3

269.	Transverse single-spin asymmetry of forward eta mesons in p + p collisions at $\sqrt{s} = 200$ GeV N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review D 113, 072006 (2026) https://doi.org/10.1103/6vnq-5hfx	5.3
268.	Intrinsic anomalous scaling and long-range surface correlations in SnS thin films enabling high-performance photodetectors Vinita, Robert S. Matos, Chandra Kumar, Henrique D. da Fonseca Filho, R. P. Yadav, B. K. Singh , ACS Applied Nano Materials 2026, 9, 5392-5409. https://doi.org/10.1021/acsanm.5c05711	5.5
267.	Performance of the prototype Silicon Tracking System of the CBM experiment tested with heavy-ion beams at SIS18 A. Agarwal et al., (CBM Collaboration) Nucl. Instr. Methods in Phys. Res. A 1082 (2026) 171059	1.4
2025		
266.	Future circular collider feasibility study report volume 3 Civil Engineering, Implementation and Sustainability M Benedikt et al., (FCC Collaboration) European Physical Journal Special Topics 234, 5113-5383 (2025) doi: https://doi.org/10.1140/epjs/s11734-025-01958-5	2.3
265.	Future circular collider feasibility study report volume 2 Accelerators, technical infrastructure and safety M Benedikt et al., (FCC Collaboration) European Physical Journal Special Topics 234, 5713-6197 (2025) doi: https://doi.org/10.1140/epjs/s11734-025-01967-4	2.3
264.	Multifractal Analysis of Heavy-Ion Collisions at RHIC and LHC Energies Anuj Chandra, Ashwini Kumar, Sweta Singh, Shakeel Ahmad and B. K. Singh Physics Letters B 871 (2025) 140027. doi: https://doi.org/10.1016/j.physletb.2025.140027	4.5
263.	Low mass vector-meson production at forward rapidity in p+p and Au+Au collisions at $\sqrt{s} = 200$ GeV N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review C 112, 064918 (2025). DOI: https://doi.org/10.1103/s25h-my1f	3.4
262.	Multiplicity dependent J/ ψ and $\psi(2S)$ production at forward and backward rapidity in p+p collisions at $\sqrt{s} = 200$ GeV N.J. Abdulameer et al., (PHENIX Collaboration), Physical Review D 112, L051103 (2025). DOI: https://doi.org/10.1103/6vqj-wdfr	5.3
261.	A study of pure multi-strange hadrons production in Pb+Pb collisions at LHC energies using HYDJET++ model Gauri Devi and B.K. Singh Physical Review C 112, 034907 (2025).	3.4
260.	Measurements at forward rapidity of elliptic flow of charged hadrons and open-heavy-flavor muons in Au+Au collisions at $\sqrt{s} = 200$ GeV, N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review C 112, 034902 (2025).	3.4
259.	Measurement of inclusive jet cross section and substructure in p+p collisions at $\sqrt{s} = 200$ GeV N.J. Abdulameer et al., (PHENIX Collaboration), Physical Review D 111, 112008 (2025) https://doi.org/10.1103/hpm9-qfp6	5.3
258.	Measurement of elliptic flow of J/ ψ in $\sqrt{s} = 200$ GeV Au+Au collisions at forward rapidity N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review C 112, 014904 (2025).	3.4
257.	Thickness-Dependent Surface Morphology, Fractality, and Its Influence on the Opto-Electrical Performance of SnS Thin Films for Photodetector Applications Vinita, Chandra Kumar, R.P. Yadav and B.K. Singh Emergent Materials (2025) 8:5273-5302.	4.8

256.	Beam energy dependence of transverse momentum distribution and elliptic flow in Au+Au collisions using HYDJET++ model. Satya Ranjan Nayak, Saraswati Pandey and B.K. Singh European Physical Journal Plus 140, 375 (2025).	3.1
255.	Higher harmonics of anisotropic flow at RHIC beam energy scan energies Satya Ranjan Nayak, Gauri Devi, Akash Das and B.K. Singh EPL 150 (2025) 64002.	1.8
254.	A background for thermal photons in heavy ion collisions Satya Ranjan Nayak, Gauri Devi and B.K. Singh Physics Letters B 864 (2025) 139410.	4.5
2024		
253.	Quarkonia mass spectra and thermodynamical properties under the effect of finite magnetic field and quark condensate Indrani Nilima, B. K. Singh and Mohammad Yousuf Jamal European Physical Journal Plus 139, 1126 (2024).	3.4
252.	Centrality dependence of Levy-stable two-pion Bose-Einstein correlations in $\sqrt{s}=200$ GeV Au+Au collisions N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review C 110, 064909 (2024).	3.1
251.	Jet modification via π^0 -hadron correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review C 110, 044901 (2024).	3.1
250.	Impact of surface-roughness and fractality on electrical conductivity of SnS thin films Vinita, Chandra Kumar, R.P. Yadav, and B.K. Singh Physica A: Statistical Mechanics and its Applications 654 (2024) 130165.	2.8
249.	Scaling properties of particle density fluctuations at LHC energies Arpit Singh, Ashwini Kumar, Shweta Singh, Anuj Chandra, Shakeel Ahmad and B.K. Singh, 2024 EPL 148 14001. DOI 10.1209/0295-5075/ad7757	1.8
248.	Change in refractive index of p-SnS thin film due to molecular polarizability Vinita, P Arun, Chandra Kumar, Richa Rai, and B K Singh, Journal of Photonics for Energy 14 (2024):034002.	1.7
247.	p_T -spectra, nuclear modification factors (R_{AA} , and R_{CP}) of (multi-) strange hadrons in Au+Au collisions at $\sqrt{s} = 200$ GeV with HYDJET++ Gauri Devi, Arpit Singh and B.K. Singh, 2024 J. Phys. G: Nucl. and Part. Phys. 51 095203.	3.5
246.	Higher order anisotropic flow correlations in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV Saraswati Pandey and B.K. Singh European Physical Journal Plus 139, 400 (2024).	3.4
245.	Surfaces properties correlation with optical parameters of thickness dependent self-affine nanostructured SnS thin films: A study based on scaling law. Vinita, Chandra Kumar, R.P. Yadav, and BK Singh, Colloids & Surfaces A: Physicochemical and Engineering Aspects 691 (2024) 133865.	5.2
244.	Predicting Quadrupole deformation via anisotropic flow and transverse momentum spectra in isotopic $^{128-135}\text{Xe}$ collisions at LHC Saraswati Pandey and B.K. Singh, European Physical Journal C (2024) 84, 511.	4.4
243.	Identified charged hadron production in p+Al, $^3\text{He}+\text{Au}$ and Cu+Au collisions at 200 GeV and in U+U collisions at 193 GeV. N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review C 109, 054910 (2024).	3.1
242.	Quarkonia dissociation at finite magnetic field in the presence of momentum anisotropy Indrani Nilima, Mujeeb Hassan, B.K. Singh and M.Y. Jamal European Physical Journal C 84, 160 (2024).	4.4

241.	Non-prompt direct photon production in Au+Au collisions at $\sqrt{s}=200$ GeV N.J. Abdulameer et al., et al., (PHENIX Collaboration) Physical Review C 109 , 044912 (2024).	3.1
240.	Charm and bottom-quark production in Au+Au collisions at $\sqrt{s}=200$ GeV N.J. Abdulameer et al., (PHENIX Collaboration) Physical Review C 109 , 044907 (2024).	3.1
239.	Study of Octupole deformations in Pb-Pb collisions at 5.02 TeV Saraswati Pandey and B.K. Singh, Physics Letters B 848 (2024) 138379.	4.4
2023		
238.	Transverse single-spin asymmetry of charged hadrons at forward and backward rapidity in polarized p+p, p+Al, and p+Au collisions at NN=200 GeV N.J. Abdulameer et al., (PHENIX Collaboration) Phys. Rev. D 108 , 072016 (2023).	5.407
237.	Higher flow harmonics of strange hadrons in Au+Au collisions at NN=200 GeV and Pb+Pb collisions at NN=2.76 TeV with HYDET++ model Gauri Devi, Arpit Singh, Saraswati Pandey and B.K. Singh, European Phys. J. Plus 138 , 921 (2023).	3.758
236.	Transverse single-spin asymmetry of midrapidity of π^0 and η mesons in p+Au and p+Al collisions at $\sqrt{s}=200$ GeV N.J. Abdulameer et al., (PHENIX Collaboration) Phys. Rev. D 107, 112004 (2023).	5.407
235.	Measurement of Direct photon cross section and double-helicity asymmetry at $\sqrt{s}=510$ GeV in p+p collisions N.J. Abdulameer et al., (PHENIX Collaboration) Phys. Rev. Lett. 130, 251901 (2023)	9.185
234.	Humidity effect on the evolution of CsI thin films: a fractal study of rough surfaces Nabeel FA Jammal, RP Yadav, Richa Rai, Triloki, Alok Pandey, AK Mittal & B.K. Singh, European Phys. J. Plus 138 , 516 (2023).	3.758
233.	Transverse momentum spectra and suppression of charged hadrons in deformed Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV using HYDJET++ model Pandey, Saraswati and Singh, BK Eur. Phys. J. A (2023) 59: 6	3.131
232.	Production and enhancement of (multi-) strange hadrons in Au plus Au collisions at $\sqrt{s_{NN}}=200$ GeV RHIC energy and Pb plus Pb collisions at root sNN=2.76 TeV LHC energy Singh, A; Srivastava, PK, Devi Gauri and Singh, BK Phys. Rev. C 107 , 024906 (2023)	3.199
231.	Improving constraints on gluon spin-momentum correlations in transversely polarized protons via midrapidity open-heavy-flavor electrons in p↑+p collisions at $\sqrt{s}=200$ GeV N. J. Abdulameer <i>et al.</i> (PHENIX Collaboration) Phys. Rev. D 107 , 052012 (2023) - Published 29 March 2023	5.407
230.	Low-pT direct-photon production in Au+Au collisions at $\sqrt{s}=39$ and 62.4 GeV N. J. Abdulameer <i>et al.</i> (PHENIX Collaboration) Phys. Rev. C 107 , 024914 (2023) - Published 24 February 2023	3.199
229.	Measurements of second-harmonic Fourier coefficients from azimuthal anisotropies in p+p, p+Au, d+Au, and 3He+Au collisions at $\sqrt{s}=200$ GeV N. J. Abdulameer <i>et al.</i> (PHENIX Collaboration) Phys. Rev. C 107 , 024907 (2023) - Published 9 February 2023	3.199
228.	Measurement of ϕ -meson production in Cu+Au collisions at $\sqrt{s}=200$ GeV and U+U collisions at $\sqrt{s}=193$ GeV N. J. Abdulameer <i>et al.</i> (PHENIX Collaboration) Phys. Rev. C 107 , 014907 (2023) - Published 13 January 2023.	3.199
2022		

227.	ATHENA detector proposal - a totally hermetic electron nucleus apparatus proposed for IP6 at the Electron-Ion Collider Adam, J; Adamczyk, L; (...); Zurek, M Journal of Instrumentation 17 (10) P10019 (2022).	1.121
226.	ϕ meson production in p+Al, p+Au, d+Au, and 3He+Au collisions at $\sqrt{s}=200\text{GeV}$ U. Acharya <i>et al.</i> (PHENIX Collaboration) Phys. Rev. C 106, 014908 (2022) - Published 26 July 2022	3.199
225.	Science Requirements and Detector Concepts for the Electron-Ion Collider Khalek, RA; Accardi, A; (...); Zurita, P Nuclear Physics A 1026 (2022) 122447.	1.558
224.	Pseudorapidity window size dependence of multiplicity fluctuations in high-energy collisions with system size and beam energies Kumar, A; Devi, G; Singh BK ; Ali B; and Ahmad, Shakeel International Journal of Modern Physics E 31 2250056 (2022).	0.924
223.	Centrality and transverse momentum dependence of anisotropic flow coefficients and their correlations in Xe-Xe collisions at $\sqrt{s(\text{NN})}=5.44\text{ TeV}$ Pandey, S and Singh, BK Journal of Physics G-Nuclear and Particle Physics 49 (9) 095001 (2022).	3.519
222.	Measurement of $\psi(2\text{S})$ nuclear modification at backward and forward rapidity in p+p, p+Al, and p+Au collisions at $\sqrt{s}=200\text{ GeV}$ U. A. Acharya <i>et al.</i> (PHENIX Collaboration) Phys. Rev. C 105, 064912 (2022) - Published 29 June 2022	3.199
221.	Systematic study of nuclear effects in p+Al, p+Au, d+Au, and 3He+Au collisions at $\sqrt{s}=200\text{ GeV}$ using π^0 production U. A. Acharya <i>et al.</i> (PHENIX Collaboration) Phys. Rev. C 105, 064902 (2022) - Published 6 June 2022	3.199
220.	Transverse single spin asymmetries of forward neutrons in p+p, p+Al, and p+Au collisions at $\sqrt{s_{\text{NN}}}=200\text{ GeV}$ as a function of transverse and longitudinal momenta U. A. Acharya <i>et al.</i> (PHENIX Collaboration) Phys. Rev. D 105, 032004 (2022) - Published 11 February 2022	5.407
219.	Transverse-single-spin asymmetries of charged pions at midrapidity in transversely polarized p+p collisions at $\sqrt{s}=200\text{ GeV}$ U. A. Acharya <i>et al.</i> (PHENIX Collaboration) Phys. Rev. D 105, 032003 (2022) - Published 9 February 2022	5.407
218	Kinematic dependence of azimuthal anisotropies in p+Au, d+Au, and 3He+Au at $\sqrt{s_{\text{NN}}}=200\text{GeV}$ U. A. Acharya <i>et al.</i> (PHENIX Collaboration) Phys. Rev. C 105, 024901 (2022) - Published 3 February 2022	3.199
2021		
217.	Probing Gluon Spin-Momentum Correlations in Transversely Polarized Protons through Midrapidity Isolated Direct Photons in $p\uparrow+p$ Collisions at $\sqrt{s}=200\text{ GeV}$ U. A. Acharya <i>et al.</i> (PHENIX Collaboration) Phys. Rev. Lett. 127, 162001 (2021) - Published 12 October 2021	9.161
216.	Transverse single-spin asymmetries of midrapidity π^0 and η mesons in polarized p+p collisions at $\sqrt{s}=200\text{ GeV}$ U. A. Acharya <i>et al.</i> (PHENIX Collaboration) Phys. Rev. D 103, 052009 (2021) - Published 22 March 2021	5.407
215.	Transverse momentum dependent forward neutron single spin asymmetries in transversely polarized p+p collisions at $\sqrt{s}=200\text{ GeV}$ U. A. Acharya <i>et al.</i> (PHENIX Collaboration) Phys. Rev. D 103, 032007 (2021)	5.407
214.	Pseudorapidity density, transverse momentum spectra, and elliptic flow studies in Xe-Xe collision systems at $\sqrt{s_{\text{NN}}}=5.44\text{ TeV}$ using the HYDJET++ model Saraswati Pandey, S. K. Tiwari, and B. K. Singh , Physical Review C 103, 014903 (2021).	2.988

2020		
213.	Measurement of jet-medium interactions via direct photon-hadron correlations in Au+Au and d+Au collisions at root S(NN)=200 GeV Adare et al., (PHENIX Collaboration) Physical Review C 102 (2020) 054910.	2.988
212.	Production of b $\bar{b}$ at forward rapidity in p+p collisions at root s=510 GeV U. Acharya et al., (PHENIX Collaboration) Physical Review D 102 (2020) 092002.	4.833
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