

Bedangadas Mohanty

List of Publications by Year in descending order

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488
papers

30,572
citations

3731

89
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498
docs citations

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times ranked

8921
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
2	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
3	Search for the chiral magnetic effect with isobar collisions at $\sqrt{s_{NN}} = 2.76$ GeV by the STAR Collaboration at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2022, 105, .	4.7	9
4	Prompt D0, D+, and D*+ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	23
5	Search for the Chiral Magnetic Effect via Charge-Dependent Azimuthal Correlations Relative to Spectator and Participant Planes in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2022, 128, 092301.	7.8	19
6	Search for the QCD critical point in high energy nuclear collisions. Progress in Particle and Nuclear Physics, 2022, 125, 103960.	14.4	11
7	Photoproduction in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2022, 128, 092301.	7.8	8
8	Prompt and non-prompt J/ψ production cross sections at midrapidity in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
9	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1.	4.1	32
10	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	7
11	Limits of thermalization in relativistic heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137021.	4.1	7
12	Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	6
13	Phonon-mediated high-voltage detector with background rejection for low-mass dark matter and reactor coherent neutrino scattering experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1033, 166707.	1.6	2
14	Measurements of the groomed and ungroomed jet angularities in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	8
15	Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2022, 128, .	4.7	7
16	Measurements of Proton High-Order Cumulants in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2022, 128, .	7.8	28
17	Investigating the sources of low-energy events in a SuperCDMS-HVeV detector. Physical Review D, 2022, 105, .	4.7	2
18	Centrality and transverse-momentum dependence of higher-order flow harmonics of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2022, 105, .	2.9	6

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19	A novel active veto prototype detector with an inner target for improved rare event searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1039, 167150.	1.6	1
20	STAR Collaboration. Nuclear Physics A, 2021, 1005, 122096.	1.5	0
21	Probing thermal nature of matter formed at RHIC via fluctuations. Nuclear Physics A, 2021, 1005, 121987.	1.5	0
22	Energy loss of heavy quarks in the isotropic collisional hot QCD medium at a finite chemical potential. European Physical Journal Plus, 2021, 136, 1.	2.6	7
23	Centrality dependence of J/ψ and $\Upsilon(2S)$ production and nuclear modification in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
24	Flow and interferometry results from Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2021, 103, .	2.9	30
25	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	23
26	Nonmonotonic Energy Dependence of Net-Proton Number Fluctuations. Physical Review Letters, 2021, 126, 092301.	7.8	111
27	Measurements of dihadron correlations relative to the event plane in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Chinese Physics C, 2021, 45, 044002.	3.7	5
28	Comparison of transverse single-spin asymmetries for forward production in polarized proton-proton collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2021, 103, .	4.7	8
29	Production of hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2021, 103, .	7.8	52
30	Measurement of transverse single-spin asymmetries of Λ and electromagnetic jets at forward rapidity in 200 and 500 GeV transversely polarized proton-proton collisions. Physical Review D, 2021, 103, .	4.7	14
31	Long- and short-range correlations and their event-scale dependence in high-multiplicity pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	5
32	Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2021, 103, .	4.7	16
33	Methods for a blind analysis of isobar data collected by the STAR collaboration. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	25
34	Measurement of beauty and charm production in pp collisions at $\sqrt{s} = 5.02$ TeV via non-prompt and prompt D mesons. Journal of High Energy Physics, 2021, 2021, 1.	4.7	17
35	Centrality, transverse momentum and collision energy dependence of the Tsallis parameters in relativistic heavy-ion collisions. European Physical Journal Plus, 2021, 136, 1.	2.6	8
36	Simulation of neutron background for a dark matter search experiment at JUSL. Journal of Instrumentation, 2021, 16, P06022.	1.2	5

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37	Measurement of $\langle \mathcal{N} \rangle$ and $\langle \mathcal{N}^2 \rangle$ in $\sqrt{s} = 2.76$ TeV pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2021, 127, 052302.	2.9	8
38	Measurement of $\langle \mathcal{N} \rangle$ and $\langle \mathcal{N}^2 \rangle$ in $\sqrt{s} = 2.76$ TeV pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2021, 127, 052302.	7.8	69
39	Passage of heavy quarks through the fluctuating hot QCD medium. European Physical Journal C, 2021, 81, 1.	3.9	5
40	Production of pions, kaons, (anti-)protons and ϕ mesons in $\sqrt{s} = 5.44$ TeV Xe-Xe collisions at $\sqrt{s} = 5.44$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	12
41	Pseudorapidity distributions of charged particles as a function of mid- and forward rapidity multiplicities in pp collisions at $\sqrt{s} = 5.02, 7$ and 13 TeV. European Physical Journal C, 2021, 81, 1.	3.9	12
42	Coherent ψ and ψ' photoproduction at midrapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	18
43	Constraints on Lightly Ionizing Particles from CDMSlite. Physical Review Letters, 2021, 127, 081802.	7.8	4
44	Probing the profile of bulk matter in $p+\text{Pb}$ collisions via directed flow of heavy quarks. Physical Review C, 2021, 104, .	2.9	1
45	Observation of D and D^* enhancement in $\sqrt{s} = 2.76$ TeV pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2021, 127, 052302.	2.9	13
46	Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in $\sqrt{s} = 2.76$ TeV pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2021, 104, .	2.9	68
47	Energy dependence of ϕ meson production at forward rapidity in pp collisions at the LHC. European Physical Journal C, 2021, 81, 1.	3.9	5
48	Light Dark Matter Search with a High-Resolution Athermal Phonon Detector Operated above Ground. Physical Review Letters, 2021, 127, 061801.	7.8	53
49	Large mass single electron resolution detector for dark matter and neutrino elastic interaction searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Detectors and Experimental Physics, 2021, 999, 166847.	1.6	7
50	Measurements of W and Z cross sections and their ratios in $\sqrt{s} = 2.76$ TeV pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2021, 127, 052302.	4.7	12
51	QCD Critical Point and High Baryon Density Matter. Acta Physica Polonica B, Proceedings Supplement, 2021, 14, 231.	0.1	1
52	Thermodynamics of a Gas of Hadrons with Interaction Using S-Matrix Formalism. Springer Proceedings in Physics, 2021, , 605-610.	0.2	0
53	Jet fragmentation transverse momentum distributions in pp and $p\text{-Pb}$ collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	1
54	K_S^0 and (anti-) Λ -hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	1

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55	First measurements of N-subjettiness in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}$ = 2.76 TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	1
56	Anisotropic flow of identified hadrons in Xe-Xe collisions at $\sqrt{s_{\mathrm{NN}}}$ = 5.44 TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	5
57	Measurement of the production cross section of prompt χ_{c}^0 baryons at midrapidity in pp collisions at \sqrt{s} = 5.02 TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11
58	Charged-particle multiplicity fluctuations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}$ = 2.76 TeV. European Physical Journal C, 2021, 81, 1.	3.9	2
59	Measurement of the Sixth-Order Cumulant of Net-Proton Multiplicity Distributions in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Physical Review Letters, 2021, 126, 1.	7.8	24
60	Multiplicity dependence of freezeout scenarios in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Physical Review C, 2021, 104, .	2.9	1
61	Spin alignment measurement of vector mesons produced in high energy collisions. Modern Physics Letters A, 2021, 36, .	1.2	10
62	Inclusive ψ production at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	6
63	Hyperon polarization in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Physical Review Letters, 2021, 126, 1.	2.9	47
64	Strange hadron production in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76, 11.5, 19.6, 27,$ and 39 GeV. Physical Review C, 2020, 102, .	2.9	54
65	$\bar{\Lambda}^0$ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}$ = 8.16 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
66	Results on total and elastic cross sections in proton-proton collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135663.	4.1	6
67	Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}$ = 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
68	Measurement of Λ -meson two-dimensional angular correlations in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Physical Review C, 2020, 102, .	2.9	8
69	Beam energy dependence of net- Λ fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2020, 102, .	2.9	11
70	Multiplicity dependence of π , K, and p production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	38
71	Azimuthal correlations of prompt D mesons with charged particles in pp and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	11
72	Measurement of nuclear effects on $\bar{\Lambda}(2S)$ production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}$ = 8.16 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6

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73	Measurement of the central exclusive production of charged particle pairs in proton-proton collisions at $\sqrt{s} = 200$ GeV with the STAR detector at RHIC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
74	Dynamics of critical fluctuations: Theory “ phenomenology “ heavy-ion collisions. Nuclear Physics A, 2020, 1003, 122016.	1.5	54
75	Investigation of the linear and mode-coupled flow harmonics in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135728.	4.1	10
76	Measurement of groomed jet substructure observables in p+p collisions at $s=200$ GeV with STAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135846.	4.1	18
77	Measurement of inclusive charged-particle jet production in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2020, 102, .	2.9	13
78	Constraints on low-mass, relic dark matter candidates from a surface-operated SuperCDMS single-charge sensitive detector. Physical Review D, 2020, 102, .	4.7	83
79	Measurement of inclusive Λ polarization in p+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2020, 102, .	4.7	9
80	Beam-energy dependence of the directed flow of deuterons in p+Au collisions. Physical Review C, 2020, 102, .	2.9	10
81	J/ψ elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
82	(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	24
83	Measurement of Λ_c baryon production in p+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2020, 102, .	7.8	45
84	Freeze-out scenarios in small systems at RHIC and LHC energies. International Journal of Modern Physics E, 2020, 29, 2050006.	1.0	1
85	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and p+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10
86	Underlying event measurements in p+p collisions at $s=200$ GeV at RHIC. Physical Review D, 2020, 101, .	4.7	11
87	Simulation of energy loss of fractionally charged particles using Geant4. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 971, 164114.	1.6	1
88	Coherent photoproduction of ρ vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
89	Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
90	Studies of J/ψ production at forward rapidity in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13

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91	Bulk properties of the system formed in $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV Au+Au collisions at the BNL STAR detector. <i>Physical Review C</i> , 2020, 101, .	2.9	18
92	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s_{NN}} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	49
93	Underlying event properties in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	11
94	Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	15
95	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	15
96	Measurement of away-side broadening with self-subtraction of flow in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Chinese Physics C</i> , 2020, 44, 104001.	3.7	2
97	Production of Ω mesons in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	4
98	Collision-energy dependence of second-order off-diagonal and diagonal cumulants of net-charge, net-proton, and net-kaon multiplicity distributions in Au+Au collisions. <i>Physical Review C</i> , 2019, 100, .	2.9	31
99	Transport coefficients for multicomponent gas of hadrons using Chapman-Enskog method. <i>Physical Review D</i> , 2019, 100, .	4.7	8
100	Thermodynamics of a gas of hadrons with attractive and repulsive interactions within an S-matrix formalism. <i>Physical Review C</i> , 2019, 99, .	2.9	13
101	Charged-particle pseudorapidity density at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	12
102	Identification of jet-like events using a multiplicity detector. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	0
103	Systematic investigation of azimuthal anisotropy in Au+Au and U+U collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 085104.	3.6	16
104	First Observation of the Directed Flow of D^0 and D^+ mesons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2019, 123, 022301.	7.8	61
105	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	49
106	Event-shape and multiplicity dependence of freeze-out radii in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	9
107	Effect of limited statistics on higher order cumulants measurement in heavy-ion collision experiments. <i>Nuclear Physics A</i> , 2019, 991, 121608.	1.5	16
108	Measurement of the production of charm jets tagged with D^0 mesons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	11

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109	Production of muons from heavy-flavour hadron decays in pp collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. Polarization of $\langle \mathbf{p}_T \rangle$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2019, 99, 014907.	4.7	4
110	Study of charged-particle multiplicity, average transverse momentum and azimuthal anisotropy in Xe+Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV using AMPT model. <i>European Physical Journal A</i> , 2019, 2019, 1.	7.8	131
111	Observation of Excess $\langle \mathbf{p}_T \rangle$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2019, 99, 014907.	2.5	6
112	Yield at Very Low Transverse Momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2019, 99, 014907.	7.8	22
113	Beam energy dependence of (anti)-deuteron production in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2019, 99, .	2.9	53
114	Measurement of $\langle \mathbf{p}_T \rangle$, $\langle \mathbf{p}_T \rangle^+$, $\langle \mathbf{p}_T \rangle^{*+}$ and $\langle \mathbf{p}_T \rangle^+_{\langle \mathbf{p}_T \rangle}$ production in pp collisions at $\sqrt{s} = 5.02$ TeV with ALICE. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	43
115	Jet fragmentation transverse momentum measurements from di-hadron correlations in $\sqrt{s} = 7$ TeV pp and $\sqrt{s_{NN}} = 5.02$ TeV Pb collisions. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	5
116	Energy dependence of exclusive $\langle \mathbf{p}_T \rangle$ photoproduction off protons in ultra-peripheral Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	34
117	Exploring the hadron resonance gas phase on the QCD phase diagram. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 065106.	3.6	2
118	Collision-energy dependence of $\langle \mathbf{p}_T \rangle$ correlations in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2019, 99, .	2.9	19
119	Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. <i>Physical Review Letters</i> , 2019, 122, 172301.	7.8	36
120	Relative particle yield fluctuations in $\sqrt{s} = 2.76$ TeV Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	15
121	Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	16
122	Centrality and transverse momentum dependence of $\langle \mathbf{p}_T \rangle$ D-meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2019, 99, .	2.9	47
123	Study of $\langle \mathbf{p}_T \rangle$ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	12
124	Measurement of prompt D0, D+, D*+, and $\langle \mathbf{p}_T \rangle$ production in Pb collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	18
125	Double-spin asymmetry for inclusive jet and dijet production in $\sqrt{s} = 5.02$ TeV pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physical Review D</i> , 2019, 100, .	4.7	30
126	Production rate measurement of Tritium and other cosmogenic isotopes in Germanium with CDMSlite. <i>Astroparticle Physics</i> , 2019, 104, 1-12.	4.3	17

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127	Magneto-vortical evolution of QGP in heavy ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 015103.	3.6	6
128	Inclusive J/ψ production at mid-rapidity in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
129	Measurement of the inclusive isolated photon production cross section in $\sqrt{s} = 7$ TeV collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	8
130	Results from the Super Cryogenic Dark Matter Search Experiment at Soudan. Physical Review Letters, 2018, 120, 061802.	7.8	92
131	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at $\sqrt{s} = 500$ GeV. Physical Review D, 2018, 97, .	4.7	27
132	Beam-Energy Dependence of Directed Flow of Λ Hyperons in Polarized Proton-Proton Collisions. Physical Review D, 2018, 97, .	7.8	66
133	Low-mass dark matter search with CDMSlite. Physical Review D, 2018, 97, .	4.7	142
134	Criticality in a hadron resonance gas model with the van der Waals interaction. Physical Review C, 2018, 97, .	2.9	19
135	Measurements of low-pT electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
136	Measurement of D^0 , D^+ , D^{*+} and D^+s production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	54
137	Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
138	Improved measurement of the longitudinal spin transfer to Λ hyperons in polarized proton-proton collisions. Physical Review D, 2018, 97, .	4.7	7
139	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	4.7	97
140	Role of system size in freeze-out conditions extracted from transverse momentum spectra of hadrons. Physical Review C, 2018, 98, .	2.9	3
141	Pair Production in pp Collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
142	Role of new resonance states on fluctuations and correlations of conserved charges in hadron resonance gas model. International Journal of Modern Physics E, 2018, 27, 1850080.	1.0	1
143	Dielectron production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
144	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	55

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145	Inclusive J/ψ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
146	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=200$ GeV. Physical Review D, 2018, 98, .	4.7	13
147	Neutral pion and η meson production in p-Pb collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=8.16$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	31
148	Collision energy dependence of moments of net-kaon multiplicity distributions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 551-560.	4.1	107
149	ϕ meson production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=2.76$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	3
150	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
151	$\psi(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
152	Energy loss due to defect formation from 206Pb recoils in SuperCDMS germanium detectors. Applied Physics Letters, 2018, 113, .	3.3	4
153	Measurement of the inclusive J/ψ polarization at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	13
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155	Prompt and non-prompt J/ψ production and nuclear modification at mid-rapidity in p-Pb collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=5.02$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	16
156	Global polarization of Λ hyperons in Au + Au collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=2.05$ GeV. Physical Review C, 2018, 98, .	2.9	205
157	Beam Energy Dependence of Jet-Quenching Effects in Au+Au Collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=7.7, 11.5, 14.5, 19.6, 27, 39,$ and 62.4 GeV. Physical Review Letters, 2018, 121, 032301.	7.8	33
158	π^0 and η meson production in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	34
159	First Dark Matter Constraints from a SuperCDMS Single-Charge Sensitive Detector. Physical Review Letters, 2018, 121, 051301.	7.8	183
160	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{\mathbb{N}\mathbb{N}}}=200$ GeV. Physical Review C, 2018, 98, .	3.9	13
161	Finite size effect of hadronic matter on its transport coefficients. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 075101.	3.6	16
162	Bulk Viscosity Coefficient of Hadronic Matter. Springer Proceedings in Physics, 2018, , 163-166.	0.2	0

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164	Background studies for the MINER Coherent Neutrino Scattering reactor experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 853, 53-60.	1.6	104
165	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	62
166	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 7$ TeV and Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2017, 77, 245.	3.9	23
167	W and Z boson production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	13
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170	Baryon-strangeness correlations in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2017, 95, .	2.9	29
171	Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2017, 96, .	2.9	44
172	Contrasting freezeouts in large versus small systems. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 105106.	3.6	18
173	Charge-Dependent Directed Flow in Cu+Cu collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2017, 118, 012301.	7.8	19
174	Measurement of electrons from beauty-hadron decays in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	9
175	Coherent diffractive photoproduction of mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2017, 96, .	2.9	32
176	Measurement of the cross section and longitudinal double-spin asymmetry for dijet production in polarized pp collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review D</i> , 2017, 95, .	4.7	22
177	Freezeout systematics due to the hadron spectrum. <i>Physical Review C</i> , 2017, 96, .	2.9	22
178	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	62
179	Elliptic flow of electrons from heavy-flavor hadron decays in Au+Au collisions at $\sqrt{s_{NN}} = 200$, 62.4, and 39 GeV. <i>Physical Review C</i> , 2017, 95, .	2.9	18
180	Measurement of Azimuthal Anisotropy at Midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2017, 118, 012301.	7.8	19

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182	Production of π^0 and η mesons up to high transverse momentum in pp collisions at 2.76 TeV. European Physical Journal C, 2017, 77, 339.	3.9	28
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184	Production of $\Sigma(1385)^\pm$. European Physical Journal C, 2017, 77, 389.	3.9	36
185	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	2.6	44
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187	Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
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189	Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV at the LHC. European Physical Journal C, 2017, 77, 1.	3.9	40
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193	Baseline measures for net-proton distributions in high energy heavy-ion collisions. Nuclear Physics A, 2016, 947, 248-259.	1.5	13
194	Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC. European Physical Journal C, 2016, 76, 86.	3.9	30
195	Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in Au-Au, Cu+Cu, and Au+Au collisions at $\sqrt{s_{NN}} = 62.4, 39, 27, 19.6, 11.5,$ and 7.7 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	3
196	Correlations of conserved-number mixed susceptibilities in a hadron resonance gas model. Physical Review C, 2016, 94, .	2.9	3
197	Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at $\sqrt{s_{NN}} = 62.4, 39, 27, 19.6, 11.5,$ and 7.7 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 93, .	2.9	55
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200	Measurement of the Transverse Single-Spin Asymmetry in $\sqrt{s_{NN}} = 2.76$ TeV Au+Au Collisions. Physical Review Letters, 2016, 116, 112302.	7.8	73
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207	Differential studies of inclusive J/ψ and $\tilde{v}_2(2S)$ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	33
208	Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	40
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210	Measurement of D-meson production versus multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
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213	Probing Pb + Pb collisions at $\sqrt{s_{NN}} = 2.76$ GeV with spectators. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 144-150.	4.1	4
214	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 184.	3.9	39
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223	Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 092002.	7.8	85
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227	Inclusive, prompt and non-prompt J/ψ production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
228	Coherent \bar{D}^0 photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
229	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
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242	Inclusive photon production at forward rapidities in proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. European Physical Journal C, 2015, 75, 1.	3.9	12
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245	Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	118
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252	Neutral pion production at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	72

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254	Production of light nuclei in heavy-ion collisions within a multiple-freezeout scenario. Physical Review C, 2014, 90, .	2.9	44
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258	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	147
259	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	2.9	73
260	Beam-Energy Dependence of the Directed Flow of Protons, Antiprotons, and Pions in Au+Au Collisions. Physical Review Letters, 2014, 112, 162301.	7.8	186
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263	Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review D, 2014, 89, .	4.7	35
264	Baseline for the cumulants of net-proton distributions at STAR. Nuclear Physics A, 2014, 931, 808-813.	1.5	20
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267	J/ψ production and nuclear effects in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	44
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276	Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. European Physical Journal C, 2013, 73, 2662.	3.9	101
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291	System-size dependence of transverse momentum correlations at 200 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 87, .	2.9	9
292	Azimuthal Anisotropy in Au+Au collisions. Physical Review C, 2013, 88, .	7.8	38
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297	Longitudinal and transverse spin asymmetries for inclusive jet production in polarized p+Au collisions. Physical Review C, 2012, 86, .	4.7	66
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301	Directed and elliptic flow of charged particles in Cu+Cu collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	2.9	21
302	Elliptic flow of thermal dileptons as a probe of QCD matter. Physical Review C, 2012, 85, .	2.9	16
303	Anomalous centrality evolution of two-particle angular correlations from Au-Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 86, .	2.9	45
304	Directed and elliptic flow of charged particles in Cu+Cu collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	7.8	34
305	Comparison of results from a (2+1)-D relativistic viscous hydrodynamic model to elliptic and hexadecapole flow of charged hadrons measured in Au-Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 86, .	2.9	29

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