

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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156
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all docs

498
docs citations

498
times ranked

8921
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and theoretical challenges in the search for the quark-gluon plasma: The STAR Collaboration's critical assessment of the evidence from RHIC collisions. Nuclear Physics A, 2005, 757, 1-10. Systematic measurements of identified particle spectra in pp collisions.	1.5	2,780
2	Systematic measurements of identified particle spectra in pp collisions.	2.9	714
3	Transverse-Momentum and Collision-Energy Dependence of High-pT Hadron Suppression in Au+Au Collisions at Ultrarelativistic Energies. Physical Review Letters, 2003, 91, 172302.	7.8	614
4	Azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	2.9	520
5	Evidence from Au+Au Measurements for Final-State Suppression of High-pT Hadrons in Au+Au Collisions at RHIC. Physical Review Letters, 2003, 91, 072304.	7.8	517
6	Particle-Type Dependence of Azimuthal Anisotropy and Nuclear Modification of Particle Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 052302.	7.8	477
7	Distributions of Charged Hadrons Associated with High Transverse Momentum Particles in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 152301.	7.8	445
8	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
9	Transverse Momentum and Centrality Dependence of High-pT Nonphotonic Electron Suppression in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 192301.	7.8	379
10	Identified Particle Distributions in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 112301.	7.8	368
11	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	365
12	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. Physical Review C, 2017, 96, .	2.9	357
13	Higher Moments of Net Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2010, 105, 022302.	7.8	278
14	Strange particle production in pp collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2007, 75, .	2.9	267
15	Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	263
16	Identified Baryon and Meson Distributions at Large Transverse Momenta from Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152301.	7.8	261
17	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249
18	Pion interferometry in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	248

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19	Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> Au </mml:mi> < mml:mo> + </mml:mo> < mml:mi> Au </mml:mi> </mml:mrow > / \text{mml:math} \rangle$ Collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	7.8	245
20	Scale for the Phase Diagram of Quantum Chromodynamics. Science, 2011, 332, 1525-1528. Identified hadron spectra at large transverse momentum in $\langle \text{mml:math altimg="sl1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/table-struct/dtd" > </mml:math >$	12.6	244
21	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:msqrt < mml:mrow < mml:mi> s </mml:mi> </mml:mrow > < mml:mi> 2.9 </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> NN </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:msqrt < mml:mrow < mml:mi> s </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> 200 </mml:mi> </mml:mrow > </mml:math >$	4.1	228
22	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	228
23	Centrality dependence of charged hadron and strange hadron elliptic flow from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:msqrt < mml:mrow < mml:mi> s </mml:mi> </mml:mrow > < mml:mi> 2.9 </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> NN </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:msqrt < mml:mrow < mml:mi> s </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> 200 </mml:mi> </mml:mrow > </mml:math >$	2.9	225
24	Cross Sections and Transverse Single-Spin Asymmetries in Forward Neutral-Pion Production from Proton Collisions at $\sqrt{s}=200 \text{ GeV}$. Physical Review Letters, 2004, 92, 171801.	7.8	220
25	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, .	2.9	220
26	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=7 \text{ TeV}$ with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.	3.9	212
27	Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900 \text{ GeV}$ with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	209
28	Global polarization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mi> \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:msqrt < mml:mrow < mml:mi> s </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> 2.9 </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> NN </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:msqrt < mml:mrow < mml:mi> s </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> 200 </mml:mi> </mml:mrow > </mml:math >$	2.9	205
29	Charmonium and $e + e^+$ pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76 \text{ TeV}$. European Physical Journal C, 2013, 73, 2617.	3.9	203
30	Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE. European Physical Journal C, 2013, 73, 2456.	3.9	202
31	Open Charm Yields in Au+Au Collisions at $\sqrt{s_{\text{NN}}}=200 \text{ GeV}$. Physical Review Letters, 2005, 94, 062301.	7.8	201
32	Identified particle production, azimuthal anisotropy, and interferometry measurements in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> Au </mml:mi> < mml:mo> + </mml:mo> < mml:mi> Au </mml:mi> </mml:mrow > / \text{mml:math} \rangle$ collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:msqrt < mml:mrow < mml:mi> s </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> 2.9 </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> NN </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:msqrt < mml:mrow < mml:mi> s </mml:mi> </mml:mrow > </mml:math > \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow < mml:mi> 200 </mml:mi> </mml:mrow > </mml:math >$	2.9	200
33	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=0.9 \text{ TeV}$ and 2.36 TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	3.9	199
34	Azimuthal Anisotropy at the Relativistic Heavy Ion Collider: The First and Fourth Harmonics. Physical Review Letters, 2004, 92, 062301.	7.8	193
35	Observation of Direct Photons in Central Au+Au Collisions. Physical Review Letters, 2000, 85, 3595-3599.	7.8	188
36	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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37	First Dark Matter Constraints from a SuperCDMS Single-Charge Sensitive Detector. Physical Review Letters, 2018, 121, 051301.	7.8	183
38	Partonic Flow and \bar{c} -Meson Production in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2006, 97, 162301.	7.8	181
39	Direct Observation of Dijets in Central Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2006, 97, 162301.	7.8	179
40	Observation of Nuclear Modifications in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2014, 113, 142301.	7.8	179
41	Scaling Properties of Hyperon Production in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2007, 98, 062301.	7.8	175
42	Minijet deformation and charge-independent angular correlations on momentum subspace (\hat{l}, \hat{l}_\perp) in Au-Au collisions at $\sqrt{s} = 130$ GeV. Physical Review C, 2006, 73, .	4.1	166
43	Forward Neutral Pion Production in p+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2006, 97, 152302.	7.8	166
45	Multistrange Baryon Elliptic Flow in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2005, 95, 122301.	7.8	164
46	Energy dependence of \bar{c} production in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2005, 95, 122301.	4.1	161
47	$K(892)^*$ resonance production in Au+Au and p+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2005, 71, .	2.9	149
48	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	3.9	149
49	Beam-Energy Dependence of Charge Separation along the Magnetic Field in Au+Au Collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	7.8	147
50	Low-mass dark matter search with CDMSlite. Physical Review D, 2018, 97, .	4.7	142
51	Longitudinal Double-Spin Asymmetry and Cross Section for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2006, 97, 252001.	7.8	141
52	Multistrange Baryon Production in Au-Au Collisions at $\sqrt{s} = 130$ GeV. Physical Review Letters, 2004, 92, 182301.	7.8	140
53	Strange particle production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	140
54	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	139

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55	Neutral Pion Transverse Single Spin Asymmetries in pp Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2006, 97, 132301.	7.8	138
56	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2012, 86, .	7.8	131
57	Au collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2012, 86, .	2.9	127
58	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2015, 75, 1.	3.9	125
59	First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900$ GeV. European Physical Journal C, 2010, 65, 111-125.	3.9	124
60	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2013, 88, .	2.9	124
61	Azimuthal Anisotropy and Correlations at Large Transverse Momenta in pp and Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2004, 93, 252301.	7.8	122
62	Pion, kaon, proton and anti-proton transverse momentum distributions from Au+Au collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.1	122
63	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
64	Measurements of meson production in relativistic heavy-ion collisions at the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2009, 79, .	2.9	117
65	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	115
66	Mass, quark-number, and N dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. Physical Review C, 2007, 75, .	2.9	112
67	Production of $K^*(892)^0$ and $\bar{K}^*(1020)$ in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
68	Nonmonotonic Energy Dependence of Net-Proton Number Fluctuations. Physical Review Letters, 2021, 126, 092301.	7.8	111
69	Strange Baryon Resonance Production in pp and Au+Au Collisions. Physical Review Letters, 2006, 97, 132301.	7.8	108
70	Global polarization measurement in Au+Au collisions. Physical Review C, 2007, 76, .	2.9	107
71	Conserved number fluctuations in a hadron resonance gas model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 691-696.	4.1	107
72	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

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73	Harmonic flow of charged particles in Au collisions at $\sqrt{s_{NN}} = 200$ GeV by the STAR Collaboration at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2012, 85, 054907.	2.9	106
74	Background studies for the MINER Coherent Neutrino Scattering reactor experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 853, 53-60.	1.6	104
75	System-Size Independence of Directed Flow Measured at the BNL Relativistic Heavy-Ion Collider. Physical Review Letters, 2008, 101, 252301.	7.8	102
76	STAR experiment results from the beam energy scan program at the RHIC. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124023.	3.6	102
77	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
78	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, .	2.9	96
79	Measurements of $\langle p_T \rangle$ and $\langle p_T^2 \rangle$ as a function of $\sqrt{s_{NN}}$ and p_T for charged particles in Au collisions at the STAR Collaboration. Physical Review C, 2012, 85, 054907.	2.9	97
80	Production of D^0 mesons in Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, 054907.	4.7	97
81	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
82	Measurement of $\langle p_T \rangle$ and $\langle p_T^2 \rangle$ as a function of $\sqrt{s_{NN}}$ and p_T for charged particles in Au collisions at the STAR Collaboration. Physical Review C, 2012, 85, 054907.	7.8	95
83	Volume fluctuation and auto-correlation effects in the moment analysis of net-proton multiplicity distributions in heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 105104.	3.6	94
84	Observation of Charge Asymmetry Dependence of Pion Elliptic Flow and the Possible Chiral Magnetic Wave in Heavy-Ion Collisions. Physical Review Letters, 2015, 114, 252302.	7.8	93
85	Results from the Super Cryogenic Dark Matter Search Experiment at Soudan. Physical Review Letters, 2018, 120, 061802.	7.8	92
86	Indications of Conical Emission of Charged Hadrons at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2009, 102, 052302.	7.8	91
87	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	91
88	Fluctuations of charge separation perpendicular to the event plane and local parity violation in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 88, .	2.9	90
89	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in $p\bar{p}$ Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2008, 100, 232003.	7.8	89
90	QCD Phase Diagram: Phase Transition, Critical Point and Fluctuations. Nuclear Physics A, 2009, 830, 899c-907c.	1.5	89

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91	Observation of an Energy-Dependent Difference in Elliptic Flow between Particles and Antiparticles in Relativistic Heavy Ion Collisions. Physical Review Letters, 2013, 110, 142301.	7.8	89
92	Measurement of quarkonium production at forward rapidity in $\sqrt{s_{NN}} = 7$ TeV. European Physical Journal C, 2014, 74, 2974.	3.9	89
93	Production of K^0_S and ϕ (1020) in Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 245.	3.9	89
94	Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	88
95	Strange and multistrange particle production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054907.	4.1	87
96	Production of Λ and Σ hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054908.	2.9	86
97	Production of Λ and Σ hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054908.	7.8	85
98	Azimuthally Sensitive Hanbury Brown-Twiss Interferometry in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 93, .	7.8	84
99	Incident energy dependence of particle correlations at relativistic energies. Physical Review C, 2005, 72, .	2.9	84
100	Freeze-Out Parameters in Heavy-Ion Collisions at AGS, SPS, RHIC, and LHC Energies. Advances in High Energy Physics, 2015, 2015, 1-20.	1.1	84
101	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
102	Production of Λ and Σ hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2009, 80, .	2.9	81
103	Three-Particle Coincidence of the Long Range Pseudorapidity Correlation in High Energy Nucleus-Nucleus Collisions. Physical Review Letters, 2010, 105, 022301.	7.8	80
104	Identified Hadron Compositions in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054909.	7.8	80
105	Production of Λ and Σ hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2009, 80, .	4.1	80
106	Correlation Function in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054910.	7.8	80
107	Production of e^+e^- pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	79
108	Growth of Long Range Forward-Backward Multiplicity Correlations with Centrality in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2009, 103, 172301.	7.8	79

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109	Transverse-momentum correlations on (\hat{l}, ϕ) from mean-pt fluctuations in Au+Au collisions at GeV. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, L37-L48.	3.6	78
110	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054907.	2.9	73
111	Transverse single-spin asymmetry and cross section for Λ production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 092302.	7.8	73
112	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
113	Transverse single-spin asymmetry and cross section for Λ production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 092302.	4.1	71
114	Precision 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, 2021, 127, 052302.	4.7	70
115	Precision 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, 2021, 127, 052302.	7.8	70
116	Measurement of Momentum and Angular Distributions from Linearly Polarized Photon Collisions. Physical Review Letters, 2021, 127, 052302.	7.8	69
117	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	68
118	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	68
119	Long-range pseudorapidity dihadron correlations in d+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 202301.	7.8	68
120	Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in Au+Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2021, 104, 014907.	2.9	68
121	Event-wise fluctuations in Au-Au collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review C, 2005, 71, 054907.	2.9	66
122	Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2021, 127, 052302.	4.7	66
123	Beam energy dependence of the Λ production cross section in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 092302.	7.8	66
124	Beam-energy-dependent two-pion interferometry and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. Physical Review C, 2015, 92, 054907.	2.9	65
125	Pair Production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2004, 70, 054907.	7.8	64
126	Measurements of transverse energy distributions in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2004, 70, 054907.	2.9	62

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127	Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at RHIC. Physical Review Letters, 2014, 113, 072301.	7.8	62
128	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
129	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
130	Azimuthal di-hadron correlations in Au and Au collisions at $\sqrt{s} = 0.9$ to 8 TeV. Physical Review Letters, 2014, 113, 072301.	2.9	61
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133	Interferometry of Direct Photons in Central Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2004, 93, 022301.	7.8	60
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228	Neutral pion and η meson production in $\sqrt{s} = 2.76 \text{ TeV}$ Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. European Physical Journal C, 2018, 78, 1.	3.9	31
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286	Collision-energy dependence of $\langle \sin(\phi) \rangle$ correlations in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, 1.	2.9	19
287	Effect via Charge-Dependent Azimuthal Correlations Relative to Spectator and Participant Planes in Au+Au collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2022, 128, 092301.	7.8	19
288	Photon interferometry and size of the hot zone in relativistic heavy ion collisions. Physical Review C, 2003, 67, .	2.9	18

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289	Measurement of D^0 , D^+ , D^{*+} , and D^* production in p \bar{p} collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	18
290	Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	18
291	Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
292	Freeze-out conditions in proton-proton collisions at the highest energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. Physical Review C, 2017, 95, .	2.9	18
293	Contrasting freezeouts in large versus small systems. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 105106.	3.6	18
294	Elliptic flow of electrons from heavy-flavor hadron decays in Au+Au collisions at $\sqrt{s_{NN}} = 62.4$, and 39 GeV. Physical Review C, 2017, 95, .	2.9	18
295	Measurement of prompt D^0 , D^+ , D^{*+} , and D^* production in p \bar{p} collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
296	Measurement of groomed jet substructure observables in p+p collisions at $\sqrt{s} = 200$ GeV with STAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135846.	4.1	18
297	Bulk properties of the system formed in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV at the BNL STAR detector. Physical Review C, 2020, 101, .	2.9	18
298	Coherent ψ/ψ' and χ_c/χ_c' photoproduction at midrapidity in ultra-peripheral Pb+Pb collisions at $\sqrt{s_{NN}} \sim 5.02$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	18
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300	Longitudinal spin transfer to Λ and Λ^0 hyperons in polarized proton-proton collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2005, 71, .	4.7	17
301	Energy dependence of high moments for net-proton distributions. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 094061.	3.6	17
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303	A Review on Λ and Λ^0 Production in Heavy-Ion Collision. Advances in High Energy Physics, 2015, 2015, 1-16.	4.1	17
304	Centrality dependence of $\Lambda(2S)$ suppression in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.1	17
305	Production rate measurement of Tritium and other cosmogenic isotopes in Germanium with CDMSlite. Astroparticle Physics, 2019, 104, 1-12.	4.7	17
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308	Observation of $\langle \mathcal{R} \rangle$ production and nuclear modification at mid-rapidity in ultraperipheral heavy-ion collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2010, 81, .	2.9	16
309	Elliptic flow of thermal dileptons as a probe of QCD matter. Physical Review C, 2012, 85, .	2.9	16
310	Prompt and non-prompt $\psi(2S)$ production and nuclear modification at mid-rapidity in p+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	16
311	Finite size effect of hadronic matter on its transport coefficients. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 075101.	3.6	16
312	Systematic investigation of azimuthal anisotropy in Au+Au and U+U collisions at $\sqrt{s_{NN}} = 200$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 085104.	3.6	16
313	Effect of limited statistics on higher order cumulants measurement in heavy-ion collision experiments. Nuclear Physics A, 2019, 991, 121608.	1.5	16
314	Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
315	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
316	A honeycomb proportional counter for photon multiplicity measurement in the ALICE experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 488, 131-143.	1.6	15
317	Centrality dependence of charged-neutral particle fluctuations in 158A GeV 208Pb+208Pb collisions. Physical Review C, 2003, 67, .	2.9	15
318	System size dependence of associated yields in hadron-triggered jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 123-128.	4.1	15
319	Freeze-out dynamics via charged kaon femtoscopy in central Au+Au collisions. Physical Review C, 2013, 88, .	2.9	15
320	Relative particle yield fluctuations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	15
321	Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
322	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
323	Two-particle correlations on transverse momentum and momentum dissipation in Au+Au collisions at $\sqrt{s_{NN}} = 130$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 799-816.	3.6	14
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326	\sqrt{s} elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
327	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
328	Inclusive \sqrt{s} production at mid-rapidity in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
329	Rapidity and species dependence of particle production at large transverse momentum for d Au collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Physical Review D, 2018, 98, .	2.9	13
330	Experimental studies of di-jet survival and surface emission bias in Au+Au collisions via angular correlations with respect to back-to-back leading hadrons. Physical Review C, 2011, 83, .	2.9	13
331	Baseline measures for net-proton distributions in high energy heavy-ion collisions. Nuclear Physics A, 2016, 947, 248-259.	1.5	13
332	Bulk viscosity for pion and nucleon thermal fluctuation in the hadron resonance gas model. Physical Review C, 2016, 94, .	2.9	13
333	W and Z boson production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
334	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
335	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Physical Review D, 2018, 98, .	4.7	13
336	Measurement of the inclusive \sqrt{s} polarization at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	13
337	Thermodynamics of a gas of hadrons with attractive and repulsive interactions within an S-matrix formalism. Physical Review C, 2019, 99, .	2.9	13
338	Measurement of inclusive charged-particle jet production in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}} = 200$ GeV. Physical Review C, 2020, 102, .	2.9	13
339	Studies of \sqrt{s} production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
340	Observation of D enhancement in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Physical Review Letters, 2021, 127, 092301.	4.7	13
341	Localized domains of disoriented chiral condensates. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 461, 142-148.	4.1	12
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345	Baryon-strangeness correlations in Au+Au collisions at $\sqrt{s_{NN}} = 7.7$ GeV from the UrQMD model. Physical Review C, 2017, 95, .	2.9	12
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347	Study of $\langle \hat{v}_2 \rangle$ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
348	Production of pions, kaons, (anti-)protons and ϕ mesons in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	12
349	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
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352	STAR results on medium properties and response of the medium to energetic partons. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 104006.	3.6	11
353	Extrapolation of multiplicity distribution in p+p collisions to LHC energies. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 025102.	3.6	11
354	Selecting specific initial configurations using spectator neutrons in U+U collisions. Physical Review C, 2015, 91, .	2.9	11
355	Isolation of flow and nonflow correlations by two- and four-particle cumulant measurements of azimuthal harmonics in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 40-47.	2.9	11
356	Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
357	Beam energy dependence of net- \hat{v}_2 fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2020, 102, .	2.9	11
358	Azimuthal correlations of prompt D mesons with charged particles in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	11
359	Underlying event measurements in p+p collisions at $\sqrt{s} = 200$ GeV at RHIC. Physical Review D, 2020, 101, .	4.7	11
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362	Measurement of the production cross section of prompt χ_{c0} baryons at midrapidity in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11
363	Search for the QCD critical point in high energy nuclear collisions. Progress in Particle and Nuclear Physics, 2022, 125, 103960.	14.4	11
364	Evolution of fluctuation in relativistic heavy-ion collisions. Physical Review C, 2003, 67, .	2.9	10
365	Event-by-event hydrodynamical simulations for $\langle \mathcal{N} \rangle$ Au collisions and the correlation between flow coefficients and initial v_2 . Physical Review C, 2013, 87, .	2.9	10
366	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
367	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
368	Investigation of the linear and mode-coupled flow harmonics in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135728.	4.1	10
369	Beam-energy dependence of the directed flow of deuterons in Au+Au collisions. Physical Review C, 2020, 102, .	2.9	10
370	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
371	Spin alignment measurement of vector mesons produced in high energy collisions. Modern Physics Letters A, 2021, 36, .	1.2	10
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374	System-size dependence of transverse momentum correlations at $\sqrt{s_{NN}} = 200$ GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 87, .	2.9	9
375	Studying re-scattering effect in heavy-ion collision through K^* production. International Journal of Modern Physics E, 2015, 24, 1550041.	1.0	9
376	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. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
377	Event-shape and multiplicity dependence of freeze-out radii in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	9
378	Measurement of inclusive p_T polarization in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2019, 80, 034907.	4.7	9

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380	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
381	The STAR Collaboration. Nuclear Physics A, 2009, 830, 969c-971c.	1.5	8
382	Longitudinal scaling of observables in heavy-ion collision models. Physical Review C, 2011, 83, .	2.9	8
383	Inclusive J/ψ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
384	Transport coefficients for multicomponent gas of hadrons using Chapman-Enskog method. Physical Review D, 2019, 100, .	4.7	8
385	Measurement of $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ meson $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ hadron $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ Comparison of transverse single-spin asymmetries for forward $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ production in polarized $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 1.	2.9	8
386	production in polarized $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 1.	4.7	8
387	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
388	Azimuthal anisotropy measurements of strange and multistrange hadrons in $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	2.9	8
389	Measurement of the inclusive isolated photon production cross section in $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	8
390	Probing the Gluonic Structure of the Deuteron with $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ Photoproduction in $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	7.8	8
391	Measurements of the groomed and ungroomed jet angularities in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	8
392	Elliptic and triangular flow in asymmetric heavy-ion collisions. Physical Review C, 2011, 84, .	2.9	7
393	Elliptic and hexadecapole flow of charged hadrons in viscous hydrodynamics with Glauber and color glass condensate initial conditions for Pb-Pb collision at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 065103.	3.6	7
394	Dielectron azimuthal anisotropy at mid-rapidity in Au-Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 90, .	2.9	7
395	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
396	Improved measurement of the longitudinal spin transfer to $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ and $\langle \mathbf{p} \cdot \mathbf{p} \rangle$ hyperons in polarized proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	7

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399	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	7
400	Limits of thermalization in relativistic heavy ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 829, 137021.	4.1	7
401	Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s} = 510$ GeV. <i>Physical Review D</i> , 2022, 105, .	4.7	7
402	Performance of a new LMRPC prototype for the STAR MTD system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 640, 85-90.	1.6	6
403	EXPECTATION OF FORWARD-BACKWARD RAPIDITY CORRELATIONS IN p+p COLLISIONS AT THE LHC ENERGIES. <i>International Journal of Modern Physics A</i> , 2012, 27, 1250079.	1.5	6
404	Addendum to: Centrality dependence of high-pT D-meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	6
405	Dielectron production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	6
406	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, 55, 1.	2.5	6
407	Magneto-vortical evolution of QGP in heavy ion collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 015103.	3.6	6
408	Results on total and elastic cross sections in proton-proton collisions at $\sqrt{s} = 200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 808, 135663.	4.1	6
409	Measurement of nuclear effects on $\Upsilon(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	6
410	Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	6
411	Inclusive χ_c production at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	6
412	Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	6
413	Centrality and transverse-momentum dependence of higher-order flow harmonics of identified hadrons in Au+Au collisions at $\sqrt{s} = 2.76$ GeV. <i>Physical Review C</i> , 2022, 105, .	2.9	6
414	Evolution of collectivity as a signal of quark gluon plasma formation in heavy ion collisions. <i>Physical Review C</i> , 2011, 84, .	2.9	5

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416	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
417	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
418	Simulation of neutron background for a dark matter search experiment at JUSL. Journal of Instrumentation, 2021, 16, P06022.	1.2	5
419	Passage of heavy quarks through the fluctuating hot QCD medium. European Physical Journal C, 2021, 81, 1.	3.9	5
420	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
421	Anisotropic flow of identified hadrons in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	5
422	Fluctuation probe of disoriented chiral condensates. Physical Review C, 2002, 66, .	2.9	4
423	$\hat{\rho}$ -MEASURE AND DISORIENTED CHIRAL CONDENSATES. International Journal of Modern Physics A, 2003, 18, 1067-1077.	1.5	4
424	Forward $\hat{\rho}$ production and nuclear stopping power in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review C, 2013, 87, .	2.9	4
425	Characterizing quark gluon plasma by dilepton interferometry. Nuclear Physics A, 2011, 862-863, 301-303.	1.5	4
426	Experimental studies of di-jets in Au+Au collisions using angular correlations with respect to back-to-back leading hadrons. Physical Review C, 2013, 87, .	2.9	4
427	Systematic study of the elliptic flow parameter using a transport approach. International Journal of Modern Physics E, 2015, 24, 1550027.	1.0	4
428	Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review C, 2015, 91, .	2.9	4
429	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
430	Energy loss due to defect formation from ^{206}Pb recoils in SuperCDMS germanium detectors. Applied Physics Letters, 2018, 113, .	3.3	4
431	Production of muons from heavy-flavour hadron decays in pp collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
432	$\hat{\rho}$ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4

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434	Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
435	Centrality dependence of J/ψ and $\psi(2S)$ production and nuclear modification in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
436	Constraints on Lightly Ionizing Particles from CDMSlite. Physical Review Letters, 2021, 127, 081802.	7.8	4
437	Production of ω mesons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	4
438	Photon multiplicity measurements: From SPS to RHIC and LHC. Pramana - Journal of Physics, 2003, 60, 613-625.	1.8	3
439	Photon flow in 158 A GeV Pb+Pb collisions. Nuclear Physics A, 2003, 715, 579c-582c.	1.5	3
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