

Jun Takahashi

List of Publications by Year in descending order

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568
papers

46,776
citations

952

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579
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579
docs citations

579
times ranked

9947
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, 55-104.	1.5	2,780
2	Systematic measurements of identified particle spectra in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 92, 052302.	2.9	714
3	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	12.6	647
4	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
5	Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2001, 86, 402-407.	7.8	610
6	Disappearance of Back-To-Back High-pT Hadron Correlations in Central Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2003, 90, 082302.	7.8	598
7	Long-range angular correlations on the near and away side in p+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 29-41.	4.1	561
8	STAR detector overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 624-632.	1.6	554
9	Azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2005, 72, .	2.9	520
10	Centrality Dependence of High-pT Hadron Suppression in Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2002, 89, 202301.	7.8	518
11	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
12	Observation of the Suppression of the Flux of Cosmic Rays above 10^{19} eV. Physical Review Letters, 2008, 101, 061101.	7.8	500
13	Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.	1.5	486
14	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 032301.	7.8	482
15	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
16	Centrality dependence of v_2 and v_3 in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 92, 052301.	2.9	465
17	Distributions of Charged Hadrons Associated with High Transverse Momentum Particles in p+Au and Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2005, 95, 152301.	7.8	445
18	Suppression of charged particle production at large transverse momentum in central Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 30-39.	4.1	433

#	ARTICLE	IF	CITATIONS
19	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
20	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	16.7	399
21	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
22	Identified Particle Distributions in p and Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 112301.	7.8	368
23	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	365
24	Elliptic flow from two- and four-particle correlations in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2002, 66, .	2.9	309
25	Multiplicity dependence of pion, kaon, proton and lambda production in p+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 25-38.	7.8	307
26	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. Astroparticle Physics, 2008, 29, 188-204.	4.3	305
27	Centrality dependence of charged particle production at large transverse momentum in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.	7.8	301
28	Higher Moments of Net Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2010, 105, 022302.	7.8	278
29	Production in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2013, 720, 52-62.	7.8	270
30	Strange particle production in p+pcollisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	2.9	267
31	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE. Physical Review C, 2013, 88, .	2.9	267
32	Identified Particle Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 87, .	7.8	265
33	Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	263
34	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
35	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249
36	Pion interferometry in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	248

#	ARTICLE	IF	CITATIONS
37	Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in $\langle N \rangle = \langle N \rangle + \langle N \rangle$ <p>Two-pion Bose-Einstein correlations in central Pb-Pb collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$</p>	7.8	245
38	Two-pion Bose-Einstein correlations in central Pb-Pb collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	4.1	235
39	Identified hadron spectra at large transverse momentum in $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	5.02	235
40	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	4.1	228
41	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	4.7	228
42	Centrality dependence of charged hadron and strange hadron elliptic flow from $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	2.9	225
43	Cross Sections and Transverse Single-Spin Asymmetries in Forward Neutral-Pion Production from $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	7.8	220
44	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, .	2.9	220
45	Charged-particle multiplicity measurement in proton-proton collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	3.9	212
46	Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	2.76	210
47	Pion Interferometry of NN=130GeV Au+Au Collisions at RHIC. Physical Review Letters, 2001, 87, 082301.	7.8	209
48	Production of pions, kaons and protons in pp collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	3.9	209
49	Charge separation relative to the reaction plane in Pb-Pb collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	7.8	209
50	Charmonium and e^+e^- pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	3.9	203
51	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
52	Open Charm Yields in Au+Au Collisions at NN=200 GeV. Physical Review Letters, 2005, 94, 062301.	7.8	201
53	Identified particle production, azimuthal anisotropy, and interferometry measurements in $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	2.9	200
54	Charged-particle multiplicity measurement in proton-proton collisions at $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$ $\langle N \rangle = \langle N \rangle$	3.9	199

#	ARTICLE	IF	CITATIONS
55	Suppression at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 072301.	7.8	194
56	Azimuthal Anisotropy at the Relativistic Heavy Ion Collider: The First and Fourth Harmonics. Physical Review Letters, 2004, 92, 062301.	7.8	193
57	Performance of the ALICE VZERO system. Journal of Instrumentation, 2013, 8, P10016-P10016.	1.2	189
58	Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 198-207.	4.1	189
59	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 249-264.	4.1	188
60	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
61	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 100, 252301.	7.8	184
62	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.	7.8	182
63	η -Meson Production in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 142301.	7.8	181
64	Production of η Mesons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	7.8	180
65	Direct Observation of Dijets in Central Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2006, 97, 162301.	7.8	179
66	Observation of Nuclear Modifications in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 142301.	7.8	179
67	Topology Studies of Hydrodynamics Using Two-Particle Correlation Analysis. Physical Review Letters, 2009, 103, 242301.	7.8	178
68	Scaling Properties of Hyperon Production in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2007, 98, 062301.	7.8	175
69	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. Journal of Instrumentation, 2010, 5, P03003-P03003.	1.2	171
70	Coherent photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 142301.	4.1	171
71	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Centrality, rapidity and transverse momentum dependence of meson elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 142301.	7.8	171
72	Suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 142301.	4.1	171

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73	Multiplicity Distribution and Spectra of Negatively Charged Hadrons in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 87, 112303. Meson production in $\sqrt{s_{NN}}=130$ GeV Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 87, 112303.	7.8	169
74	Forward Neutral Pion Production in $\sqrt{s_{NN}}=200$ GeV Au+Au Collisions. Physical Review Letters, 2006, 97, 152302.	4.1	166
75	Mini-jet deformation and charge-independent angular correlations on momentum subspace (\hat{i}, \hat{j}) in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2006, 73, .	2.9	166
76	Forward Neutral Pion Production in $\sqrt{s_{NN}}=200$ GeV Au+Au Collisions. Physical Review Letters, 2006, 97, 152302.	7.8	166
77	Multistrange Baryon Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 122301.	7.8	164
78	Direct photon production in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	4.1	163
79	Midrapidity π^0 and η Production in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 092301.	4.1	161
80	Energy dependence of π^0 production in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 092301.	4.1	161
81	Upper limit on the cosmic-ray photon flux above 10 ¹⁹ eV using the surface detector of the Pierre Auger Observatory. Astroparticle Physics, 2008, 29, 243-256.	4.3	161
82	Anisotropic flow of charged hadrons, pions and (anti-)protons measured at high transverse momentum in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622.	4.1	156
83	Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s_{NN}}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622.	4.1	156
84	Pseudorapidity Density of Charged Particles in $\sqrt{s_{NN}}=2.76$ TeV Au+Au Collisions with ALICE at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622.	7.8	155
85	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	27.8	154
86	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622.	4.1	154
87	Technical Design Report for the Upgrade of the ALICE Inner Tracking System. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087002.	3.6	153
88	Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in $\sqrt{s_{NN}}=2.76$ TeV Au+Au Collisions with ALICE at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622.	7.8	151
89	$K(892)^*$ resonance production in Au+Au and p+pcollisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	149
90	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

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91	Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.	7.8	148
92	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
93	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
94	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. Physical Review Letters, 2008, 100, 211101.	7.8	141
95	Multistrange Baryon Production in Au-Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2004, 92, 182301.	7.8	140
96	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
97	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
98	Forward Neutral-Pion Transverse Single-Spin Asymmetries in Au-Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2006, 97, 052302.	7.8	138
99	Correlated Event-by-Event Fluctuations of Low Harmonics in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 052302.	7.8	138
100	Centrality dependence of particle production in Au-Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2015, 91, 054907.	2.9	135
101	Neutral pion and η meson production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV. Physical Review Letters, 2012, 109, 052302.	4.1	133
102	and Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.	4.1	133
103	Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	130
104	Multiparticle azimuthal correlations in Au-Au collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, 054907.	2.9	130
105	Production of light nuclei and anti-nuclei in pp and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, 054907.	2.9	129
106	η Production and Possible Modification in Au+Au and p+p Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 92, 092301.	7.8	127
107	Inclusive charged hadron elliptic flow in Au-Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 86, 054907.	2.9	127
108	Near-barrier fusion of weakly bound ^6Li and ^7Li nuclei with ^{59}Co . Physical Review C, 2003, 67, 054907.	2.9	126

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109	Production of Σ^{\pm} and Ξ^{\pm} in proton-proton collisions at $\sqrt{s}=7.7$ GeV. European Physical Journal C, 2015, 75, 1.	3.9	125
110	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
111	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s}=2.76$ GeV. Physical Review C, 2013, 88, .	2.9	124
112	Azimuthal Anisotropy and Correlations at Large Transverse Momenta in p+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2004, 93, 252301.	7.8	122
113	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s}=2.76$ GeV. Physical Review C, 2013, 88, .	4.1	122
114	Midrapidity Antiproton-to-Proton Ratio from Au+Au Collisions at $\sqrt{s}=130$ GeV. Physical Review Letters, 2001, 86, 4778-4782.	7.8	121
115	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
116	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
117	Azimuthal Anisotropy of K_S^0 and Λ Production at Midrapidity from Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 132301.	7.8	115
118	Rapidity and transverse momentum dependence of inclusive meson production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	115
119	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
120	Mass, quark-number, and $\sqrt{s_{NN}}$ dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. Physical Review C, 2007, 75, .	2.9	112
121	Production of Λ^0 and $\bar{\Lambda}^0$ in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
122	Multi-strange baryon production in p-Pb collisions at $\sqrt{s}=2.76$ GeV. Physical Review Letters, 2011, 106, 111.	11.1	111
123	Production of charged pions, kaons, and antiprotons in high-energy proton-proton collisions at $\sqrt{s}=7.7$ TeV. Physical Review C, 2020, 101, .	2.9	110
124	Coherent Λ^0 Production in Ultraperipheral Heavy-Ion Collisions. Physical Review Letters, 2002, 89, 272302.	7.8	108
125	Strange Baryon Resonance Production in p+Au Collisions. Physical Review Letters, 2006, 97, 132301.	7.8	108
126	Global polarization measurement in Au+Au collisions. Physical Review C, 2007, 76, .	2.9	107

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127	Measurement of the elliptic flow of charged particles in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2008, 101, 252301.	2.9	106
128	Measurement of jet suppression in central Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14.	2.76	105
129	System-Size Independence of Directed Flow Measured at the BNL Relativistic Heavy-Ion Collider. Physical Review Letters, 2008, 101, 252301.	7.8	102
130	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
131	Azimuthal anisotropy of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 90, .	2.9	101
132	Net charge fluctuations in Au+Au collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review C, 2003, 68, .	2.9	100
133	Photoproduction off Protons in Ultraperipheral Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	100
134	Polarization in Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	99
135	Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	2.9	97
136	Production of Muons from Heavy Flavor Decays at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	97
137	Production of Muons from Heavy Flavor Decays at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	4.7	97
138	Upgrade of the ALICE Experiment: Letter Of Intent. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087001.	3.6	97
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	Production of Muons from Heavy Flavor Decays at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	96
141	Narrowing of the Balance Function with Centrality in Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2003, 90, 172301.	7.8	95
142	Meson Production in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	94
143	Production of Muons from Heavy Flavor Decays at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	4.1	93
144	Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 720-735.	4.1	93

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163	Production of 4He and 4He at high transverse momentum in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review C, 2017, 95, .	2.9	86
164	Unveiling the strong interaction among hadrons at the LHC. Nature, 2020, 588, 232-238.	27.8	85
165	Azimuthally Sensitive Hanbury Brown-Twiss Interferometry in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 93, .	7.8	84
166	Incident energy dependence of particle correlations at relativistic energies. Physical Review C, 2005, 72, .	2.9	84
167	Is Fusion Inhibited for Weakly Bound Nuclei?. Physical Review Letters, 1997, 78, 30-33.	7.8	82
168	Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 319-329.	4.1	82
169	Production of 4He and 4He at high transverse momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review C, 2017, 95, .	2.9	81
170	Three-Particle Coincidence of the Long Range Pseudorapidity Correlation in High Energy Nucleus-Nucleus Collisions. Physical Review Letters, 2010, 105, 022301.	7.8	80
171	Collisions of 4He and 4He at high transverse momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review Letters, 2018, 120, 102301.	7.8	80
172	Production of 4He and 4He at high transverse momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review Letters, 2018, 120, 102301.	4.1	80
173	Correlation Function in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review Letters, 2018, 120, 102301.	7.8	80
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175	Production of e^+e^- pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	79
176	Growth of Long Range Forward-Backward Multiplicity Correlations with Centrality in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review Letters, 2009, 103, 172301.	7.8	79
177	Transverse-momentum correlations in Au+Au collisions at GeV. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, L37-L48.	3.6	78
178	Measurement of an Excess in the Yield of 4He and 4He at Very Low Transverse Momenta in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review Letters, 2018, 120, 102301.	7.8	77
179	Production of 4He and 4He at high transverse momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review Letters, 2018, 120, 102301.	7.8	77
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182	$d\bar{A}$ and $^3\text{He}\bar{A}$ Production in $\sqrt{s_{NN}} = 130$ GeV Au+Au Collisions. Physical Review Letters, 2001, 87, 262301.	7.8	72
183	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
184	Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. Physical Review Letters, 2020, 125, 012301.	7.8	72
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186	Production of deuterons, tritons, ^3He and ^4He in Au+Au collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2001, 87, 262301.	2.9	71
187	Production of deuterons, tritons, ^3He and ^4He in Au+Au collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2001, 87, 262301.	4.7	70
188	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2015, 115, 092002.	7.8	70
189	Heavy flavour decay muon production at forward rapidity in proton+proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 567-577.	4.1	67
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192	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
193	Long-range pseudorapidity dihadron correlations in d+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 202301.	4.1	67
194	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 202301.	4.1	67
195	\hat{p} Spectra in 11.6 AGeV/c Au-Au Collisions. Physical Review Letters, 2002, 88, 062301.	7.8	67
196	Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 152301.	4.1	67
197	Transverse momentum spectra and nuclear modification factors of charged particles in Xe+Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 166-179.	4.1	67

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201	Measurements of transverse energy distributions in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 70, .	2.9	65
202	Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at RHIC. Physical Review Letters, 2014, 113, 072301.	2.9	64
203	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.	2.9	64
204	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2017, 77, 1.	2.9	62
205	Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 329, 135-140.	2.9	62
206	and Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 70, 014901.	2.9	61
207	Event-by-event mean $\langle p_T \rangle$ fluctuations in pp and Pb-Pb collisions at the LHC. European Physical Journal C, 2014, 74, 1.	3.9	61
208	Multiplicity dependence of inclusive spectra from p-p collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2006, 74, 014004.	4.7	60
209	in Cu-Cu collisions at $\sqrt{s_{NN}}=200$ GeV and Au-Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 70, 014901.	2.9	60
210	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
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219	Measurement of electrons from beauty hadron decays in Au+Au collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 326, 1-6.	4.7	57
220	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb+Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 151-162.	4.1	51
221	Directed flow in Au+Au collisions at $\sqrt{s_{\text{NN}}}=62.4$ GeV. Physical Review C, 2006, 73, .	2.9	55
222	Hadronic resonance production in Au+Au collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Physical Review C, 2012, 85, 054907.	2.9	55
223	Directed flow in Au+Au collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Physical Review C, 2012, 85, 054907.	2.9	55
224	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	55
225	Production of hyperons in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Physical Review C, 2012, 85, 054907.	2.9	55
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227	Production of J/ψ and beauty hadron production cross sections at low rapidity in Au+Au and Cu+Cu collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	2.9	54
228	Measurement of D^0 , D^+ , D^{*+} and D^s production in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	54
229	Fluctuations at Relativistic Energies. Physical Review Letters, 2009, 103, 092301.	7.8	53
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231	$K^*(892)^0$ production in relativistic heavy ion collisions at $\sqrt{s_{\text{NN}}}=130$ GeV. Physical Review C, 2002, 66, .	2.9	52
232	Dielectron Mass Spectra from Au+Au collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Physical Review Letters, 2014, 113, 022301.	7.8	52
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254	<p>Light vector meson production in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>√s</mml:mi></mml:math> = 2.76 TeV. Physical Review C, 2012, 86, .</p>	2.9	45
255	<p>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 557-568.</p>	4.1	45
256	<p>Freeze-out radii extracted from three-pion cumulants in pp, pâ€Pb and Pbâ€Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 139-151.</p>	4.1	45
257	<p>Forward-central two-particle correlations in pâ€Pb collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline"><mml:mi>√s</mml:mi></mml:math> = 2.76 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 126-139.</p>		45
258	<p>Elliptic Flow in Pb-Pb Collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>√s</mml:mi></mml:math> = 2.76 TeV. Physical Review Letters, 2017, 119, 242301.</p>	7.8	45
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260	<p>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 1-10.</p>		

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273	Energy and system-size dependence of two- and four-particle correlations in heavy-ion collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2012, 86, .	2.9	40
274	Measurement of visible cross sections in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV in van der Meer scans with the ALICE detector. Journal of Instrumentation, 2014, 9, P11003-P11003.	1.2	40
275	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
276	Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 373-385.	4.1	40
277	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
278	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
279	Strange antiparticle-to-particle ratios at mid-rapidity in $\sqrt{s_{NN}}=130$ GeV Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 567, 167-174.	4.1	39
280	Two-pion femtoscopy in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	2.9	39
281	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 184.	3.9	39
282	First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 249-264.	4.1	39
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284	Measurement of the azimuthal anisotropy of π^0 production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2004, 102, 112301.	7.8	38
285	Coherent π^0 production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370.	4.1	38
286	Rapidity and transverse-momentum dependence of the inclusive J/ψ nuclear modification factor in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
287	Multiplicity dependence of π^0 , K, and p production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 4.	3.9	38
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290	Longitudinal double-spin asymmetry and cross section for inclusive neutral pion production at midrapidity in polarized proton collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review D, 2006, 74, 014005.	4.7	37
291	Coherent J/ψ photoproduction at forward rapidity in ultra-peripheral Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 807, 135564.	2.9	37
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294	Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC. Physical Review Letters, 2020, 124, 092301.	7.8	37
295	Forward-backward multiplicity correlations in pp collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
296	Measurement of transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2016, 94, 014907.	2.9	36
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299	Investigation of the $\Lambda(1520)$ interaction via femtoscopy in pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135419.	4.1	36
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301	Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review D, 2014, 89, 014005.	4.7	35
302	Charged jet cross sections and properties in proton-proton collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review D, 2015, 91, 014005.	4.7	35
303	Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
304	Direct photon elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 308-322.	4.7	35
305	Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135564.	4.1	35
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309	Energy dependence of exclusive ψ photoproduction off protons in ultra-peripheral pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	34
310	The energy dependence of angular correlations inferred from mean-pT fluctuation scale dependence in heavy ion collisions at the SPS and RHIC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 451-465.	3.6	33
311	Multiplicity dependence of jet-like two-particle correlation structures in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 741, 38-50.	4.1	33
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313	Measurement of electrons from heavy flavour hadron decays in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 741, 38-50.	4.1	33
314	Inclusive production of η mesons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 741, 38-50.	2.9	32
315	Production at high transverse momentum in $\sqrt{s_{NN}} = 2.76$ TeV proton-proton collisions. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	32
316	Beauty production in pp collisions at $\sqrt{s} = 2.76$ TeV measured via semi-electronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 706, 1-10.	4.1	32
317	Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	4.1	32
318	Beauty production in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 706, 1-10.	3.9	32
319	Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at $\sqrt{s} = 0.9, 7$, and 8 TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	4.1	31
320	Hadronization geometry from net-charge angular correlations on momentum subspace in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the ALICE experiment at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	31
321	Mid-rapidity anti-baryon to baryon ratios in pp collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV measured by ALICE. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	31
322	Centrality dependence of charged jet production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2016, 76, 271.	3.9	31
323	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	31
324	Neutral pion and η meson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	31

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326	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
327	Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, pPb, and PbPb collisions at the LHC. European Physical Journal C, 2016, 76, 86.	3.9	30
328	Pseudorapidity dependence of the anisotropic flow of charged particles in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 376-388.	4.1	30
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330	Particle identification in ALICE: a Bayesian approach. European Physical Journal Plus, 2016, 131, 1.	2.6	29
331	Measurements of inclusive jet spectra in pPb and central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2020, 101, 054907.	2.9	29
332	Scaling properties at freeze-out in relativistic heavy-ion collisions. Physical Review C, 2011, 83, 054907.	2.9	28
333	System size and energy dependence of near-side dihadron correlations. Physical Review C, 2012, 85, 054907.	2.9	28
334	Centrality dependence of inclusive J/ψ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
335	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
336	Constraints on jet quenching in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured by the event-activity dependence of semi-inclusive hadron-jet distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 95-113.	4.1	28
337	Charged kaon femtoscopic correlations in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 95-113.	4.1	28
338	Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Search for weakly decaying Λ_c^+ exotic bound states in central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135043.	4.7	27
339	Multiplicity dependence of light (anti) nuclear production in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 783, 95-113.	4.1	27
340	Multiplicity dependence of light (anti) nuclear production in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 783, 95-113.	4.1	27
341	Multiplicity dependence of light (anti) nuclear production in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 783, 95-113.	4.1	27
342	Multiplicity dependence of light (anti) nuclear production in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135043.	4.1	27

#	ARTICLE	IF	CITATIONS
343	Multiplicity dependence of inclusive J/ψ production at midrapidity in pp collisions at $\sqrt{s} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.svg" <math display="block">\sqrt{s} = 2.76 \text{ TeV}	4.1	26
344	Neutral pion production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.svg" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	2.9	25
345	D-electron spectrum at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.svg" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	2.9	25
346	Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.svg" <math display="block">\sqrt{s} = 2.76 \text{ TeV}	4.7	25
347	Multipion Bose-Einstein correlations in Au+Au collisions at energies available at the CERN Large Hadron Collider. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	2.9	25
348	Systematics of K^0_S production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	2.9	25
349	Systematics of K^0_S production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	2.9	25
350	Suppression of $\Upsilon(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 5.02 \text{ TeV}	4.7	24
351	Effect of event selection on jetlike correlation measurement in d+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	4.1	24
352	Measurement of the production of high-pT electrons from heavy-flavour hadron decays in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	4.1	24
353	Production of $\Upsilon(2S)$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	4.1	24
354	(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s} = 13 \text{ TeV}	3.9	24
355	Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	4.1	23
356	Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	4.1	23
357	Pb+Pb collisions. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 2.76 \text{ TeV}	4.1	23
358	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 7$ TeV and Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s} = 7 \text{ TeV}	3.9	23
359	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 13$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s} = 13 \text{ TeV}	3.9	23
360	Prompt D^0 , D^+ , and D^{*+} production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" <math display="block">\sqrt{s_{NN}} = 5.02 \text{ TeV}	4.7	23

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361	Multiplicity dependence of $K^*(892)0$ and $\Lambda(1020)$ production in pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 807, 135501.	4.1	22
362	Transverse momentum and event-shape dependence of D-meson flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2017, 96, .	4.1	22
363	Light nuclei production in heavy-ion collisions at relativistic energies. Physical Review C, 2002, 65, .	2.9	21
364	Directed and elliptic flow of charged particles in Cu-Cu collisions at $\sqrt{s_{NN}}=3.9$ GeV. Physical Review C, 2017, 96, .	2.9	21
365	Directed and elliptic flow of charged particles in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2014, 89, .	2.9	21
366	Beam-energy dependence of charge balance functions from Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	21
367	Kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2017, 96, .	2.9	21
368	Centrality and transverse momentum dependence of inclusive J/ψ production at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135434.	4.1	21
369	First measurement of the $ t $ -dependence of coherent J/ψ photonuclear production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 817, 136280.	4.1	21
370	Longitudinal scaling property of the charge balance function in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2012, 85, .	4.1	20
371	First measurement of the $ t $ -dependence of coherent J/ψ photonuclear production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 238-250.	4.7	20
372	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.	2.9	20
373	Suppression of resonance production in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2019, 99, .	4.1	20
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375	Exploration of jet substructure using iterative declustering in pp and Pb-Pb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135227.	4.1	20
376	Rapidity and centrality dependence of proton and antiproton production from Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2004, 70, .	2.9	19
377	Photon and neutral pion production in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2004, 70, .	2.9	19

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380	Measurement of the $W^+e^{\ell}Z/\ell^3\hat{e}^+e^{\hat{e}^+}$ production cross sections at mid-rapidity in proton-proton collisions at $\sqrt{s}=500$ GeV. Physical Review D, 2012, 85, .	4.7	19
381	Measurement of the T in p -Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2019, 122, 072301.	4.1	19
382	Measurement of D_s^+ production and nuclear modification factor in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
383	Direct photon production at low transverse momentum in proton-proton collisions at $\sqrt{s}=2.76$ and 8 TeV. Physical Review C, 2019, 99, .	2.9	19
384	Anode region design and focusing properties of STAR silicon drift detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 400, 279-286.	1.6	18
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386	Effects of initial state fluctuations in the final state elliptic flow measurements using the NeXSPheRIO model. Physical Review C, 2012, 85, .	2.9	18
387	Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	18
388	Study of cosmic ray events with high muon multiplicity using the ALICE detector at the CERN Large Hadron Collider. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 032-032.	5.4	18
389	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
390	Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in p -Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2019, 122, 072301.	7.8	18
391	Measurement of prompt D^0 , D^+ , D^{*+} , and D_s^+ production in p -Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
392	Measurement of electrons from semileptonic heavy-flavour hadron decays at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135377.	4.1	18
393	Coherent ψ and ψ' photoproduction at midrapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	18
394	Silicon drift detectors for the STAR/SVT experiment at RHIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 439, 497-506.	1.6	17
395	Spectra of identified high- p_T hyperons in p -Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2019, 122, 072301.	4.7	17
396	Measurement of T in p -Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2019, 122, 072301.	2.9	17

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398	Centrality dependence of $\langle \rho \rangle$ (2S) suppression in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
399	The ALICE Transition Radiation Detector: Construction, operation, and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 881, 88-127.	1.6	17
400	Prehydrodynamic evolution and its signatures in final-state heavy-ion observables. Physical Review C, 2021, 103, .	2.9	17
401	Vortex rings from high energy central $\langle \rho \rangle$ collisions. Physical Review C, 2021, 104, .	2.9	17
402	Observation of $\langle \rho \rangle$ in ultraperipheral heavy-ion collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physical Review C, 2010, 81, .	2.9	16
403	Prompt and non-prompt $\langle \rho \rangle$ 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
404	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
405	Production of (anti-)He3 and (anti-)H3 in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physical Review C, 2020, 101, .	2.9	16
406	The STAR Silicon Vertex Tracker: A large area Silicon Drift Detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 640-651.	1.6	15
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408	Freeze-out dynamics via charged kaon femtoscopy in central Au+Au collisions. Physical Review C, 2013, 88, .	2.9	15
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410	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
411	$K^*(892)^0$ and $\rho(1020)$ production at midrapidity in pp collisions at $\sqrt{s}=8$ TeV. Physical Review C, 2020, 102, .	2.9	15
412	Measurements of mixed harmonic cumulants in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physical Review C, 2020, 102, .	4.1	15
413	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
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415	Two-particle correlations on transverse momentum and momentum dissipation in Au+Au collisions at $\sqrt{s} = 130$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 799-816.	3.6	14
416	Coarse-graining scale and effectiveness of hydrodynamic modeling. European Physical Journal A, 2012, 48, 1.	2.5	14
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419	Measurement of dielectron production in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, .	7.5	14
420	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
421	Measurement of strange baryon-antibaryon interactions with femtoscopic correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135223.	4.1	14
422	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
423	Rapidity and species dependence of particle production at large transverse momentum for Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 112301.	2.9	13
424	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
425	W and Z boson production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
426	Anomalous Evolution of the Near-Side Jet Peak Shape in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 102301.	7.8	13
427	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
428	Neutral pion and $\hat{1}$ -meson production at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2018, 98, .	2.9	13
429	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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438	Charged-particle pseudorapidity density at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	12
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441	Study of J/ψ 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
442	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
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445	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.	2.1	11
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448	Azimuthal correlations of prompt D mesons with charged particles in pp and Pb-Pb collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	11
449	J/ψ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135486.	4.1	11
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452	Underlying event properties in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
453	Studies of dynamics of electron clouds in STAR silicon drift detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 439, 507-512.	1.6	10
454	Novel prototype Si detector development and processing at BNL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 303-310.	1.6	10
455	Measurement of quarkonium polarization in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review C, 2017, 96, 014904.	4.1	10
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459	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
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464	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, 054902.	2.9	9
465	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
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474	Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC. Physical Review Letters, 2017, 118, 162302.	7.8	8
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478	Pion ρ -hadron femtoscopy and the lifetime of the hadronic phase in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136030.	4.1	8
479	Measurement of the inclusive isolated photon production cross section in pPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2021, 103, .	2.9	8
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