

Thomas Peitzmann

List of Publications by Year in descending order

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667
papers

51,267
citations

902

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677
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677
times ranked

9153
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, 102-183.	0.6	2,780
2	Formation of dense partonic matter in relativistic nucleus-nucleus collisions at RHIC: Experimental evaluation by the PHENIX Collaboration. Nuclear Physics A, 2005, 757, 184-283.	0.6	2,520
3	The ALICE experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08002-S08002.	0.5	811
4	Suppression of Hadrons with Large Transverse Momentum in Central Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 88, 022301.	2.9	735
5	Systematic measurements of identified particle spectra in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	1.1	714
6	Identified charged particle spectra and yields in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	1.1	665
7	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2010, 105, 252302.	2.9	659
8	Elliptic Flow of Identified Hadrons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2003, 91, 182301.	2.9	627
9	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 032301.	2.9	581
10	Long-Range Angular Correlations in the Near and Away Side in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 29-41.	1.5	561
11	Azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	1.1	520
12	Suppressed ρ Production at Large Transverse Momentum in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2003, 91, 072301.	2.9	514
13	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 032301.	2.9	507
14	Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.	0.5	486
15	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 107, 022301.	2.9	482
16	Centrality dependence of K^0_S production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2005, 95, 152301.	1.1	465
17	Distributions of Charged Hadrons Associated with High Transverse Momentum Particles in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2005, 95, 152301.	2.9	445
18	PHENIX detector overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 469-479.	0.7	443

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19	ALICE: Physics Performance Report, Volume II. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 1295-2040.	1.4	441
20	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.	1.5	433
21	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	2.9	424
22	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	6.5	399
23	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.	2.9	379
24	Multiplicity dependence of pion, kaon, proton and lambda production in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 728, 25-38.	2.9	307
25	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, 2011, 728, 53-60.	2.9	301
26	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 252301.	2.9	296
27	Higher Moments of Net Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2010, 105, 022302.	2.9	278
28	Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 728, 25-38.	2.9	270
29	Strange particle production in p+p collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2007, 75, .	1.1	267
30	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE. Physical Review C, 2013, 88, .	1.1	267
31	Dense-Medium Modifications to Jet-Induced Hadron Pair Distributions in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2006, 97, 052301.	2.9	264
32	Nuclear Modification of Electron Spectra and Implications for Heavy Quark Energy Loss in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2006, 96, 032301.	2.9	264
33	Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy-ion collisions. Physical Review C, 2010, 81, .	1.1	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.	2.9	261
35	Midrapidity Neutral-Pion Production in Proton-Proton Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2003, 91, 241803.	2.9	249
36	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	6.0	249

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37	Pion interferometry in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review C, 2005, 71, .	1.1	248
38	Centrality Dependence of $\langle K^0_S \rangle$, $\langle K^+ \rangle$, $\langle p \rangle$, and $\langle \Lambda^0 \rangle$ Production from $\sqrt{s_{NN}}=130\text{GeV}$ Au + Au Collisions at RHIC. Physical Review Letters, 2002, 88, 242301.	2.9	244
39	Centrality Dependence of Charged Particle Multiplicity in Au-Au Collisions at $\sqrt{s_{NN}}=130\text{GeV}$. Physical Review Letters, 2001, 86, 3500-3505.	2.9	238
40	Two-pion Bose-Einstein correlations in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. Physical Review Letters, 2013, 110, 012301.	1.5	235
41	Two-pion Bose-Einstein correlations in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177.	1.5	235
42	High- p_T charged hadron suppression in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review C, 2004, 69, .	1.1	233
43	Identified hadron spectra at large transverse momentum in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review C, 2004, 69, .	1.5	228
44	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	228
45	Centrality dependence of charged hadron and strange hadron elliptic flow from Au+Au collisions. Physical Review C, 2008, 77, .	1.1	225
46	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, .	1.1	220
47	Centrality Dependence of Direct Photon Production in $\sqrt{s_{NN}}=200\text{GeV}$ Au+Au Collisions. Physical Review Letters, 2005, 94, 232301.	2.9	219
48	Systematic studies of the centrality and $\sqrt{s_{NN}}$ dependence of the $dE_T/d\eta$ and $dN_{ch}/d\eta$ in heavy ion collisions at midrapidity. Physical Review C, 2005, 71, .	1.1	214
49	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.	1.4	212
50	Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 216-227.	1.5	210
51	Scaling Properties of Proton and Antiproton Production in $\sqrt{s_{NN}}=200\text{GeV}$ Au+Au Collisions. Physical Review Letters, 2003, 91, 172301.	2.9	209
52	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.	1.4	209
53	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. Physical Review Letters, 2013, 110, 012301.	1.5	208
54	Charmonium and e^+e^- pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. European Physical Journal C, 2013, 73, 2617.	1.4	203

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55	Measurement of inelastic, single- and double-diffraction cross sections in proton–proton collisions at the LHC with ALICE. <i>European Physical Journal C</i> , 2013, 73, 2456.	1.4	202
56	Open Charm Yields and Λ Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2005, 94, 062301.	2.9	201
57	Identified particle production, azimuthal anisotropy, and interferometry measurements in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 072301.	1.1	200
58	Charged-particle multiplicity measurement in proton–proton collisions at $\sqrt{s}=0.9$ and 2.36 TeV with ALICE at LHC. <i>European Physical Journal C</i> , 2010, 68, 89-108.	1.4	199
59	Suppression of Λ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 072301.	2.9	194
60	Performance of the ALICE VZERO system. <i>Journal of Instrumentation</i> , 2013, 8, P10016-P10016.	0.5	189
61	Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 736, 196-207.	1.5	189
62	Observation of Direct Photons in Central Au+Au Collisions. <i>Physical Review Letters</i> , 2000, 85, 3595-3599.	2.9	188
63	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 708, 249-264.	1.5	188
64	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 252301.	2.9	184
65	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 252301.	2.9	182
66	Partonic Flow and Meson Production in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 252301.	2.9	181
67	Elliptic Flow and Meson Production in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 252301.	1.1	180
68	Direct Observation of Dijets in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2006, 97, 162301.	2.9	179
69	Scaling Properties of Hyperon Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2007, 98, 062301.	2.9	175
70	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. <i>Journal of Instrumentation</i> , 2010, 5, P03003-P03003.	0.5	171
71	Production of Λ and Σ hyperons in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 252301.	1.5	171
72	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2013, 111, 102301.	2.9	171

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73	Centrality, rapidity and transverse momentum dependence of π meson production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 726, 610-622.	1.5	171
74	Forward Neutral Pion Production in p+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152302.	1.5	166
75	Multistrange Baryon Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 122301.	1.1	166
76	Flow Measurements via Two-Particle Azimuthal Correlations in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 212301.	2.9	166
77	Direct photon production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 726, 610-622.	2.9	163
79	Energy dependence of Bose-Einstein Correlations of Charged Pion Pairs in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 152302.	1.5	161
80	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. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 726, 610-622.	2.9	158
81	Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 726, 610-622.	1.5	156
82	Pseudorapidity Density of Charged Particles in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV with ALICE at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 726, 610-622.	2.9	155
83	Single identified hadron spectra from Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	1.1	154
84	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	13.7	154
85	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 726, 610-622.	1.4	153
86	Technical Design Report for the Upgrade of the ALICE Inner Tracking System. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087002.	2.9	151
87	Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	1.1	149

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91	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	1.4	149
92	Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.	2.9	148
93	Measurement of Transverse Single-Spin Asymmetries for Midrapidity Production of Neutral Pions and Charged Hadrons in Polarized p+p Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2005, 95, 202001.	2.9	144
94	Measurement of Single Electrons and Implications for Charm Production in Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2002, 88, 192303.	2.9	143
95	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.	2.9	141
96	Multistrange Baryon Production in Au-Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2004, 92, 182301.	2.9	140
97	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.	1.4	140
98	PHENIX calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 521-536.	0.7	139
99	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	139
100	Forward Neutral-Pion Transverse Single-Spin Asymmetries in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2016, 117, 182301.	2.9	138
101	Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 117, 182301.	2.9	138
102	Transverse-Mass Dependence of Two-Pion Correlations in Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2002, 88, 192302.	2.9	136
103	Centrality dependence of particle production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2015, 91, 054907.	1.1	135
104	Measurement of the Midrapidity Transverse Energy Distribution from Au+Au Collisions at RHIC. Physical Review Letters, 2001, 87, 052301.	2.9	134
105	Neutral pion and η -meson production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV. Physical Review Letters, 2005, 95, 202001.	1.5	133
106	Measurement of the Midrapidity Transverse Energy Distribution from Au+Au Collisions at RHIC. Physical Review Letters, 2001, 87, 052301.	1.5	133
107	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.	1.5	130
108	Multiparticle azimuthal correlations in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2014, 90, .	1.1	130

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109	Production of light nuclei and anti-nuclei in p and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .	1.1	129
110	Production and Possible Modification in Au+Au and p+p Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 092301.	2.9	127
111	Centrality Dependence of Charm Production from a Measurement of Single Electrons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 082301.	2.9	126
112	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s}=7.6$ TeV. European Physical Journal C, 2015, 75, 1.	1.4	125
113	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.	1.4	124
114	Azimuthal Anisotropy and Correlations at Large Transverse Momenta in p and Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 252301.	2.9	122
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.	1.5	122
116	Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	118
117	Common Suppression Pattern of Mesons at High Transverse Momentum in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 202301.	2.9	117
118	Measurements of meson production in relativistic heavy-ion collisions at the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2009, 79, .	1.1	117
119	Production of mesons in p-p collisions at $\sqrt{s}=7.6$ TeV. Physical Review C, 2012, 85, .	1.5	115
120	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.	1.6	115
121	Measurement of Λ -particles in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 092302.	2.9	112
122	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, .	1.1	112
123	Production of $\Lambda(892)^0$ and $\bar{\Lambda}(1020)$ in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	111
124	Multi-strange baryon production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physical Review C, 2012, 85, .	1.1	111
125	Production of charged pions, kaons, and protons in p-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2020, 101, .	1.1	110
126	Strange Baryon Resonance Production in $\sqrt{s_{NN}}=200$ GeV p and Au+Au Collisions. Physical Review Letters, 2006, 97, 132301.	2.9	108

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127	Global polarization measurement in Au+Au collisions. Physical Review C, 2007, 76, .	1.1	107
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.	2.9	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.	1.4	101
131	Azimuthal anisotropy of D -meson production in 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.	1.1	101
132	Exclusive photoproduction off Protons in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	2.9	100
133	Polarization in p -Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	2.9	99
134	LHC forward physics. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 110201.	1.4	99
135	Enhanced strange baryon production in Au+Au collisions compared to p -Pb collisions. Physical Review Letters, 2012, 108, 092301.	1.1	97
136	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
137	Upgrade of the ALICE Experiment: Letter Of Intent. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087001.	1.4	97
138	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.	1.6	97
139	Limits on the Production of Direct Photons in 200A GeV S32+Au Collisions. Physical Review Letters, 1996, 76, 3506-3509.	2.9	96
140	Production of Muons from Heavy Flavor Decays at Forward Rapidity in p -Pb and Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	2.9	96
141	Production of mesons at midrapidity in $NN = 200$ GeV Au+Au collisions at relativistic energies. Physical Review C, 2005, 72, .	1.1	95
142	Measurement of Prompt D -Meson Production in p -Pb and Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	2.9	94
143	Transverse mass distributions of neutral pions from ^{208}Pb -induced reactions at 158 A GeV . European Physical Journal C, 2002, 23, 225-236.	1.4	93
144	Femtoscscopy of p -Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV at the LHC with two-pion Bose-Einstein correlations. Physical Review D, 2011, 84, .	1.6	93

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145	Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in pA-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 720-735.	1.5	93
146	Suppression of forward rapidity 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.	1.5	93
147	Suppression of forward rapidity Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 212-224.	1.5	92
148	Indications of Conical Emission of Charged Hadrons at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2009, 102, 052302.	2.9	91
149	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 072301.	2.9	91
150	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in pA+Pb Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2008, 100, 232003.	2.9	89
151	Measurement of quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2974.	1.4	89
152	Production of K^0_S and ϕ (1020) in pA-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 245.	1.4	89
153	Multiplicity dependence of light-flavor hadron production in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2019, 99, .	1.1	89
154	Direct photons from relativistic heavy-ion collisions. Physics Reports, 2002, 364, 175-246.	10.3	88
155	Inclusive production of K^0_S and ϕ (1020) in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	1.5	88
156	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.	1.6	88
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164	Unveiling the strong interaction among hadrons at the LHC. Nature, 2020, 588, 232-238.	13.7	85
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167	Incident energy dependence of p_T correlations at relativistic energies. Physical Review C, 2005, 72, .	1.1	84
168	Scaling of particle and transverse energy production in $\sqrt{s_{NN}}=200$ GeV Pb+Pb collisions at 158 A GeV. European Physical Journal C, 2001, 18, 651-663.	1.4	82
169	High transverse momentum \hat{p}_T meson production in p+p, d+Au, and Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	1.1	82
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172	Measurement of Nonrandom Event-by-Event Fluctuations of Average Transverse Momentum in $\sqrt{s_{NN}}=200$ GeV Au+Au and p+p Collisions. Physical Review Letters, 2004, 93, 092301.	2.9	80
173	Three-Particle Coincidence of the Long Range Pseudorapidity Correlation in High Energy Nucleus-Nucleus Collisions. Physical Review Letters, 2010, 105, 022301.	2.9	80
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182	Anisotropic flow in Xe+Xe collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 82-95.	1.5	76
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186	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.	1.4	72
187	Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. Physical Review Letters, 2020, 125, 012301	2.9	72
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194	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	68
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198	Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 072002.	2.9	67

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219	Multiplicity dependence of inclusive pT spectra from pA collisions at s=200 A GeV. Physical Review D, 2006, 74, .	1.6	60
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227	Transverse momentum dependence of inclusive primary charged-particle production in Pb-Pb collisions at sNN=5.02 TeV. European Physical Journal C, 2014, 74, 1.	1.4	58
228	Measurement of electrons from semileptonic heavy-flavor hadron decays in Pb-Pb collisions at sNN=2.76 TeV. Physical Review Letters, 2013, 111, 232302.	1.6	57
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267	Spin alignment measurements of the K^* in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, .	2.9	45
268	Spin alignment measurements of the K^* in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, .	2.9	45

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281	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.	0.5	40
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284	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.	1.4	40
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287	Two-pion femtoscopy in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	1.1	39
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294	Measurement of π^0 production in pp collisions at $\sqrt{s} = 13.6$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	38
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296	Transverse momentum distributions of neutral pions from nuclear collisions at 200 GeV. European Physical Journal C, 1998, 5, 255.	1.4	38
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308	Measurement of transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, .	1.1	36
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324	Measurement of electrons from heavy-flavour hadron decays in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 81-93.	1.5	33

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337	Neutral pion and η meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	31
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358	Charged kaon femtoscopic correlations in $p \rightarrow \tilde{p}$ collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. Physical Review C, 2016, 94, 014901.	1.6	27
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362	Multiplicity dependence of light (anti)neutron production in pAe Pb collisions at $\sqrt{s} = 5.02$ TeV. Nuclear Physics A, 2018, 800, 135043.	1.5	27
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364	Multiplicity dependence of inclusive J/ψ production at midrapidity in pp collisions at $\sqrt{s} = 5.02$ TeV. Nuclear Physics A, 2018, 800, 135043.	1.5	26
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366	Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2015, 91, .	1.6	25
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374	Search for collectivity with azimuthal J/ψ -hadron correlations in high multiplicity pAe Pb collisions at $\sqrt{s} = 5.02$ and 8.16 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 7-20.	1.5	24
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380	<p>Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.</p>	1.4	23
381	<p>Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.</p>	1.4	23
382	<p>Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.</p>	1.1	23
383	<p>Prompt D⁰, D⁺, and D^{*+} production in Pb-Pb collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.</p>	1.6	23
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385	<p>Suppression of High-pT Neutral Pion Production in Central Pb+Pb Collisions at $\sqrt{s} = 17.3$ GeV. Physical Review Letters, 2008, 100, 242301.</p>	2.9	22
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388	<p>Transverse momentum and event-shape dependence of D meson flow harmonics in Pb-Pb collisions at $\sqrt{s} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135501.</p>	1.5	22
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391	<p>Directed and elliptic flow of charged particles in Cu-Cu collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2017, 96, 014907.</p>	1.1	21
392	<p>Kaon femtoscopy in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2017, 96, 014907.</p>	1.1	21
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404	Suppression of η meson production in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2019, 99, 014907.	1.1	20
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429	Centrality dependence of $\bar{\Lambda}(2S)$ suppression in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
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458	Inclusive Λ production at mid-rapidity in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
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471	Studies of J/ψ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
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588	Centrality dependence of J/ψ and $\psi(2S)$ production and nuclear modification in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
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