

Mauro Cosentino

List of Publications by Year in descending order

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Version: 2024-02-01

330
papers

26,410
citations

3334

91
h-index

7950

149
g-index

335
all docs

335
docs citations

335
times ranked

7858
citing authors

#	ARTICLE	IF	CITATIONS
1	Elliptic measurements of identified particle spectra in $dN_{ch}^{\eta} / d\eta d\phi d\mathbf{p}_T d\mathbf{p}_L$ Elliptic Flow of Charged Particles in Pb-Pb Collisions at $v_2\{p_T\}$ Physical Review Letters, 2010, 105, 252302.	2.9	714
2	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $v_2\{p_T\}$ Physical Review Letters, 2010, 105, 252302.	7.8	659
3	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $v_2\{p_T\}$ Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy TeV</mml:mtxt></mml:math>, Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	4.1	561
4	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions $dN_{ch}^{\eta} / d\eta d\phi d\mathbf{p}_T d\mathbf{p}_L$ Physical Review Letters, 2011, 106, 032301.	7.8	507
5	Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.	1.5	486
6	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions $v_n\{p_T\}$ Physical Review Letters, 2011, 107, 032301.	7.8	482
7	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions $v_n\{p_T\}$ Physical Review Letters, 2011, 107, 032301.	2.9	465
8	Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at R_{pA}^{η} Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 30-39.	4.1	433
9	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
10	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
11	Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at R_{pA}^{η} Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	4.1	307
12	Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at R_{pA}^{η} Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.	7.8	301
13	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $dN_{ch}^{\eta} / d\eta d\phi d\mathbf{p}_T d\mathbf{p}_L$ Physical Review Letters, 2011, 106, 032301.	7.8	296
14	Production of strange particles in Pb-Pb collisions at R_{pA}^{η} Physical Review Letters, 2011, 106, 032301.	7.8	270
15	Strange particle production in p-p collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2007, 75, .	2.9	267
16	Centrality determination of Pb-Pb collisions at $v_2\{p_T\}$ Physical Review C, 2013, 88, .	2.9	267
17	Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	263
18	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

#	ARTICLE	IF	CITATIONS
19	Long range angular correlations of \bar{K} , K and p in $p\bar{A}e$ Pb collisions at $\sqrt{s}=2.76$ TeV. Identified hadron spectra at large transverse momentum in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 708, 249-264.	4.1	235
20	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.1	228
21	Centrality dependence of charged hadron and strange hadron elliptic flow from Au+Au collisions. <i>Physical Review C</i> , 2008, 77, .	4.7	228
22	Long range rapidity correlations and jet production in high energy nuclear collisions. <i>Physical Review C</i> , 2009, 80, .	2.9	220
23	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=7$ TeV with ALICE at LHC. <i>European Physical Journal C</i> , 2010, 68, 345-354.	3.9	212
24	Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 728, 216-227.	4.1	210
25	Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	209
26	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. <i>Physical Review Letters</i> , 2013, 110, 012301.	3.9	205
27	Charmonium and $e+e$ pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2617.	3.9	203
28	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.	3.9	202
29	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.	3.9	199
30	Suppression at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 072301.	7.8	194
31	Performance of the ALICE VZERO system. <i>Journal of Instrumentation</i> , 2013, 8, P10016-P10016.	1.2	189
32	Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 708, 249-264.	4.1	189
33	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 072301.	4.1	188
34	Pion, kaon and proton production, fluctuation and correlations in high energy Pb-Pb collisions. <i>Physical Review Letters</i> , 2012, 109, 072301.	7.8	184
35	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. <i>Physical Review Letters</i> , 2016, 116, 222302.	7.8	182

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37	Meson Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 73, 044901.	7.8	181
38	Direct Observation of Dijets in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 162301.	7.8	179
40	Scaling Properties of Hyperon Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 062301.	7.8	175
41	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. Journal of Instrumentation, 2010, 5, P03003.	1.2	171
42	Photoproduction in ultra-peripheral Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2007, 98, 022301.	4.1	171
43	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2007, 98, 022301.	7.8	171
44	Suppression in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2007, 98, 022301.	4.1	171
45	Momentum correlations on momentum subspace in Au-Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2006, 73, 044901.	2.9	166
46	Forward Neutral Pion Production in p+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152302.	7.8	166
47	Multistrange Baryon Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 122301.	7.8	164
48	Direct photon production in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2007, 98, 022301.	4.1	163
49	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, 2007, 98, 022301.	4.1	161
50	Pseudorapidity density of charged particles in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2007, 98, 022301.	4.1	156
51	Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2007, 98, 022301.	4.1	156
52	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2007, 98, 022301.	7.8	155
53	Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152302.	4.1	154
54	Centrality dependence of the pseudorapidity density distribution for charged particles in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152302.	7.8	151

#	ARTICLE	IF	CITATIONS
55	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
56	Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.	7.8	148
57	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
58	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
59	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
60	Forward Neutral-Pion Transverse Single-Spin Asymmetries in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2015, 115, 132302.	7.8	138
61	Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 132302.	7.8	138
62	Centrality dependence of particle production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2015, 91, .	2.9	135
63	Central and peripheral meson production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2015, 91, .	4.1	133
64	Multiplicity dependence of the average transverse momentum in pp, pPb, and PbPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.	4.1	130
65	Multiplicity dependence of the average transverse momentum in pp, pPb, and PbPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	130
66	Multiparticle azimuthal correlations in pPb and Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, .	2.9	130
67	Production of light nuclei and anti-nuclei in pPb and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .	2.9	129
68	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 1.	3.9	125
69	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
70	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
71	Measurements of meson production in relativistic heavy-ion collisions at the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2012, 85, 034907.	2.9	117
72	Rapidity and transverse momentum dependence of inclusive meson production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2015, 91, .	4.1	115

#	ARTICLE	IF	CITATIONS
73	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
74	Mass, quark-number, and NN dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. Physical Review C, 2007, 75, .	2.9	112
75	Production of $K^*(892)^0$ and $\Lambda(1020)$ in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
76	Multi-strange baryon production in p-Pb collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2012, 85, 054907.	4.1	111
77	Production of charged pions, kaons and protons and Pb-Pb and p-Pb collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2020, 101, .	2.9	110
78	Strange Baryon Resonance Production in $\sqrt{s}=200$ GeV p+Pb and Au+Au Collisions. Physical Review Letters, 2006, 97, 132301.	7.8	108
79	Global polarization measurement in Au+Au collisions. Physical Review C, 2007, 76, .	2.9	107
80	Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14.	4.1	105
81	System-Size Independence of Directed Flow Measured at the BNL Relativistic Heavy-Ion Collider. Physical Review Letters, 2008, 101, 252301.	7.8	102
82	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
83	Azimuthal anisotropy of D -meson production in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2012, 85, 054907.	2.9	101
84	Exclusive Λ production in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2007, 76, 054907.	7.8	100
85	Photoproduction off Protons in Ultraperipheral Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2012, 85, 054907.	7.8	99
86	Polarization in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2007, 76, 054907.	2.9	97
87	Enhanced strange baryon production in Au+Au collisions compared to pp collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2007, 76, 054907.	7.8	97
88	Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2012, 108, 092301.	4.7	97
89	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.	7.8	96
90	Production of Muons from Heavy Flavor Decays at Forward Rapidity in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2007, 76, 054907.	7.8	94

#	ARTICLE	IF	CITATIONS
91	Femtoscopy of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:m} \rangle 0.9 \langle \text{mml:m} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mi} \text{ mathvariant="normal"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ production as a function of charged particle multiplicity in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:m} \rangle \hat{A} \langle \text{mml:m} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:m} \rangle 7 \langle \text{mml:m} \rangle \langle \text{mml:math} \rangle$	4.7	93
92	Indications of Conical Emission of Charged Hadrons at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2009, 102, 052302.	4.1	93
93	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in $\hat{p} \hat{p}' + \hat{p} \hat{p}'$ Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2008, 100, 232003.	7.8	89
94	Measurement of quarkonium production at forward rapidity in $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2974.	3.9	89
95	Production of $K^* \hat{p}^-$ (892) and ϕ (1020) in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. (European Physical Journal C, 2016, 76, 245.	3.9	89
96	Multiplicity dependence of light-flavor hadron production in $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 718, 295-306.	2.9	89
97	Inclusive $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mi} \text{ mathvariant="normal"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ production in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:m} \rangle 2.76 \langle \text{mml:m} \rangle \langle \text{mml:math} \rangle$	4.1	88
98	Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	88
99	Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2010, 105, 112301.	4.1	87
100	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:m} \rangle 2.76 \langle \text{mml:m} \rangle \langle \text{mml:math} \rangle$ section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 108, 112301.	3.8	86
101	Multi-strange baryon production in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 712, 309-318.	4.1	86
102	High-Energy Physics, 2012, 712, 309-318.	4.1	86
103	Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 753, 319-329.	2.9	86
104	Production of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:m} \rangle 13 \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:m} \rangle 1020 \langle \text{mml:math} \rangle$ meson production at high transverse momentum in $\sqrt{s} = 2.76$ TeV. Physical Review C, 2012, 86, 054907.	2.9	86
105	Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 753, 319-329.	4.1	82
106	Production of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:m} \rangle 13 \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:m} \rangle 1020 \langle \text{mml:math} \rangle$ meson production at high transverse momentum in $\sqrt{s} = 2.76$ TeV. Physical Review C, 2012, 86, 054907.	2.9	81
107	Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 108, 112301.	7.8	80
108	Production of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:m} \rangle 5.02 \langle \text{mml:math} \rangle$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2009, 103, 172301.	7.8	79
109	Transverse-momentum correlations in (\hat{p}, ϕ) from mean-pt fluctuations in Au-Au collisions at $\sqrt{s} = 0.2$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, L37-L48.	3.6	78

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109	Measurement of an Excess in the Yield of Λ Hyperons in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	7.8	77
110	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
111	Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. Physical Review Letters, 2020, 125, 012301.	7.8	72
112	Energy and system size dependence of Λ meson production in Cu-Cu and Cu-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 022301.	4.1	71
113	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, 2013, 722, 262-272.	2.9	71
114	Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 262-272.	7.8	69
115	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
116	Midrapidity Antiproton-to-Proton Ratio in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 072002.	7.8	67
117	Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV Measured by the ALICE Experiment. Physical Review Letters, 2010, 105, 072002.	7.8	67
118	Suppression of Λ Hyperons in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 072002.	7.8	67
119	First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. Physical Review Letters, 2019, 123, 112002.	7.8	66
120	in ultraperipheral relativistic heavy ion collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2019, 123, 112002.	2.9	64
121	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to $8 \hat{A}$ TeV. European Physical Journal C, 2017, 77, 1.	7.8	64
122	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to $8 \hat{A}$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
123	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7 \hat{A}$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
124	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7 \hat{A}$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
125	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7 \hat{A}$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62

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127	Two-pion Bose-Einstein correlations in pp collisions at $\sqrt{s} = 900$ GeV. <i>Physical Review D</i> , 2010, 82, .	4.7	61
128	Event-by-event mean p_T fluctuations in pp and $Pb-Pb$ collisions at the LHC. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	61
129	Multiplicity dependence of inclusive p_T spectra from $p+Pb$ collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review D</i> , 2006, 74, .	4.7	60
130	Production of inclusive $\Upsilon(1S)$ and $\Upsilon(2S)$ in $p+Pb$ collisions at $\sqrt{s} = 5.02$ TeV. <i>Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 740, 105-117.	4.1	60
131	Measurement of event background fluctuations for charged particle jet reconstruction in $Pb-Pb$ collisions at central rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	58
132	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in $Pb-Pb$ Collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , 2013, 111, 232302.	7.8	58
134	Transverse momentum dependence of inclusive primary charged-particle production in $Pb-Pb$ collisions at $\sqrt{s} = 5.02$ TeV. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	58
135	Directed flow in $Au+Au$ collisions at $\sqrt{s} = 62.4$ GeV. <i>Physical Review C</i> , 2006, 73, .	2.9	55
137	Hadronic resonance production in $Au+Au$ collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	2.9	55
138	Energy dependence and fluctuations of anisotropic flow in $Pb-Pb$ collisions at $\sqrt{s} = 5.02$ and 2.76 TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	55
139	Global polarization of Λ and Σ hyperons in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , 2009, 103, 092301.	2.9	55
140	Measurement of prompt J/ψ and beauty hadron production cross sections at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	54
141	Measurement of D_0 , D^+ , D^{*+} and $D+s$ production in $Pb-Pb$ collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	54
142	Fluctuations at Relativistic Energies. <i>Physical Review Letters</i> , 2009, 103, 092301.	7.8	53
143	Parton energy loss in heavy-ion collisions via direct-photon and charged-particle azimuthal correlations. <i>Physical Review C</i> , 2010, 82, .	2.9	53
144	Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s} = 7$ TeV. <i>Nuclear, Elementary Particle and High-Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 721, 13-23.	4.1	51

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146	$\langle \eta \eta \rangle$ -correlations in central Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2007, 75, .	2.9	50
147	Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	50
148	Energy dependence of forward-rapidity $\langle \eta \rangle / \psi$ and $\langle \psi \rangle / \langle \eta \rangle$ production in pp collisions at the LHC. European Physical Journal C, 2017, 77, 392.	3.9	50
149	Pion interferometry in Au+Au and Cu+Cu collisions at $\sqrt{s_{NN}} = 62.4$ and 200 GeV. Physical Review C, 2009, 80, .	2.9	49
150	Measurement of charged jet production cross sections and nuclear modification in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 68-81.	4.1	49
151	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2019, 79, 1.	3.9	49
152	Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC. Physical Review Letters, 2020, 125, 022301.	7.8	49
153	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	49
154	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
155	Proton- η correlations in central Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2006, 74, .	2.9	47
156	Production of meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2006, 74, .	2.9	47
157	Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, 054907.	4.1	46
158	One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 92, .	2.9	46
159	Light vector meson production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 557-568.	4.1	45
160	Freeze-out radii extracted from three-pion cumulants in pp, Pb-Pb and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 139-151.	4.1	45
161	Forward-central two-particle correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 753, 126-139.	4.1	45
162	Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 242301.	7.8	45

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182	Coherent $\rho(2S)$ photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370.	4.1	38
183	Rapidity and transverse-momentum dependence of the inclusive J/ψ nuclear modification factor in p-Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
184	Measurement of $\langle p_T \rangle$ dependence of the inclusive J/ψ nuclear modification factor in p-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physical Review Letters, 2015, 115, 112301.	7.8	38
185	Multiplicity dependence of π^0 , K, and p production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 1.	3.9	38
186	Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC. Physical Review Letters, 2020, 124, 092301.	7.8	37
187	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
188	Measurement of transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physical Review C, 2016, 94, .	2.9	36
189	Centrality dependence of pion freeze-out radii in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physical Review C, 2016, 93, .	2.9	36
190	Production of $\Sigma(1385)^{\pm}$ ($\Lambda(1385)^{\pm}$). European Physical Journal C, 2017, 77, 389.	3.9	36
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192	Charged jet cross sections and properties in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review D, 2015, 91, .	4.7	35
193	Centrality dependence of high- p_T D meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
194	π^0 and η meson production in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2018, 78, 1.	3.9	34
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197	Multiplicity dependence of jet-like two-particle correlation structures in p+Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 38-50.	4.1	33
198	Differential studies of inclusive J/ψ and $\rho(2S)$ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	33

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203	Underlying Event measurements in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the ALICE experiment at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
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205	Centrality dependence of charged jet production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 271.	3.9	31
206	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	31
207	Neutral pion and η meson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	31
208	Inclusive, prompt and non-prompt J/ψ production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
209	Coherent ρ^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
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214	Production and Baryon-to-Meson Ratios in pPb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review C, 2015, 92, 054907.	7.8	29
215	Centrality dependence of inclusive J/ψ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
216	Production of ρ^0 and η mesons up to high transverse momentum in pp collisions at 2.76 TeV. European Physical Journal C, 2017, 77, 339.	3.9	28

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222	Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2015, 91, 014011.	4.7	25
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226	(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	24
227	Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 41-56.	4.1	23
228	Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 41-56.	4.1	23
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230	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.	3.9	23
231	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.	3.9	23
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234	Kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, 014903.	4.1	21

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236	$\tilde{\chi}_0^0$ cross section in p+pcollisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2010, 82, .	4.7	20
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239	Resonance production in central Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2019, 99, .	2.9	20
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241	Measurement of dijet production in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2019, 122, 072301.	4.1	19
242	Measurement of D s + production and nuclear modification factor in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
243	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
244	Measurement of mesons in jets from Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2019, 122, 072301.	4.7	18
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249	Measurement of prompt D0, D+, D*+, and D_s^+ production in Pb-Pb collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
250	Coherent ψ and ψ' photoproduction at midrapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	18
251	Measurement of $\tilde{\chi}_0^0$ production in p+pcollisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2010, 82, .	7.8	18
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254	Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
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256	System size dependence of associated yields in hadron-triggered jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 123-128.	4.1	15
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260	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ and 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
261	Hyperons along the Beam Direction in Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	7.8	15
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263	Measurement of dielectron production in central Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Physical Review C, 2019, 99, .	2.9	14
264	J/ψ elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
265	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
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269	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
270	Neutral pion and η meson production at midrapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Physical Review C, 2018, 98, .	2.9	13

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272	Measurement of the Low-Energy Antideuteron Inelastic Cross Section. Physical Review Letters, 2020, 125, 162001.	7.8	13
273	Studies of J/ψ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
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275	Inclusive photon production at forward rapidities in proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. European Physical Journal C, 2015, 75, 1.	3.9	12
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281	Azimuthal correlations of prompt D mesons with charged particles in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	11
282	Coherent photoproduction of ρ^0 vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
283	Underlying event properties in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
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285	Measurement of D-meson production versus multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
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287	Two-particle differential transverse momentum and number density correlations in Pb-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. Physical Review C, 2019, 100, .	2.9	10
288	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10

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289	Elliptic Flow of Electrons from Beauty-Hadron Decays in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2021, 126, 162001.	7.8	10
290	Event-shape and multiplicity dependence of freeze-out radii in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	9
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294	K femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2021, 103, .	2.9	8
295	Measurement of the inclusive isolated photon production cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	8
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297	K femtoscopy in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review C, 2019, 100, .	2.9	7
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