

Michal Sumbera

List of Publications by Year in descending order

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353
papers

36,830
citations

1994

101
h-index

3579

181
g-index

356
all docs

356
docs citations

356
times ranked

8905
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.	1.5	2,780
2	The ALICE experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08002-S08002.	1.2	811
3	Systematic measurements of identified particle spectra in $\frac{1}{N} \frac{d^2N}{d\eta d\eta' d\eta'' d\eta''' d\eta''''}$	2.9	714
4	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\frac{1}{N} \frac{d^2N}{d\eta d\eta' d\eta'' d\eta''' d\eta''''}$	7.8	659
5	Global $\hat{\Lambda}$ hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
6	Long-range angular correlations on the near and away side in p-Pb collisions at $\frac{1}{N} \frac{d^2N}{d\eta d\eta' d\eta'' d\eta''' d\eta''''}$	5.02	561
7	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
8	Azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	2.9	520
9	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions $\frac{1}{N} \frac{d^2N}{d\eta d\eta' d\eta'' d\eta''' d\eta''''}$	7.8	507
10	Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.	1.5	486
11	Centrality Dependence of $\frac{1}{N} \frac{d^2N}{d\eta d\eta' d\eta'' d\eta''' d\eta''''}$	2.9	465
12	Distributions of Charged Hadrons Associated with High Transverse Momentum Particles in p and Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 152301.	7.8	445
13	ALICE: Physics Performance Report, Volume II. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 1295-2040.	3.6	441
14	Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\frac{1}{N} \frac{d^2N}{d\eta d\eta' d\eta'' d\eta''' d\eta''''}$	4.1	433
15	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
16	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	16.7	399
17	Transverse Momentum and Centrality Dependence of High- p_T Nonphotonic Electron Suppression in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 192301.	7.8	379
18	Identified Particle Distributions in p and Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 112301.	7.8	368

#	ARTICLE	IF	CITATIONS
19	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	365
20	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. Physical Review C, 2017, 96, .	2.9	357
21	Multiplicity dependence of pion, kaon, proton and lambda production in pAePb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	4.1	307
22	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.	4.1	301
23	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2010, 105, 252301.	7.8	296
24	Higher Moments of Net Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2010, 105, 022302.	7.8	278
25	Production of strange particles in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2010, 105, 022302.	7.8	270
26	Strange particle production in p+p collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	2.9	267
27	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE. Physical Review C, 2013, 88, .	2.9	267
28	Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	263
29	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
30	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249
31	Pion interferometry in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	248
32	Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in Au+Au Collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	7.8	245
33	Long-range angular correlations of π , K and p in pAePb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	4.1	235
34	Long-range angular correlations of π , K and p in pAePb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	4.1	235
35	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	228
36	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	228

#	ARTICLE	IF	CITATIONS
37	Centrality dependence of charged hadron and strange hadron elliptic flow from Au+Au collisions. Physical Review C, 2008, 77, .		225
38	Cross Sections and Transverse Single-Spin Asymmetries in Forward Neutral-Pion Production from Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2004, 92, 171801.	7.8	220
39	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, .	2.9	220
40	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=7$ TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.	3.9	212
41	Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 216-227.	4.1	210
42	Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	209
43	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2013, 110, 012301.	3.9	205
44	Charmonium and $e+e$ pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2013, 73, 2617.	3.9	203
45	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
46	Open Charm Yields in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 062301.	7.8	201
47	Response of TAPS to monochromatic photons with energies between 45 and 790 MeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 346, 168-176.	1.6	198
48	Performance of the ALICE VZERO system. Journal of Instrumentation, 2013, 8, P10016-P10016.	1.2	189
49	Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 196-207.	4.1	189
50	Observation of Direct Photons in Central Pb-Pb Collisions. Physical Review Letters, 2000, 85, 3595-3599.	7.8	188
51	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 249-264.	4.1	188
52	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
53	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Partonic Flow and Meson Production in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2014, 112, 162301.	7.8	184
54	Partonic Flow and Meson Production in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2014, 112, 162301.	7.8	181

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55	<p>Direct Observation of Dijets in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 162301.</p> <p>Observation of D meson production in ultra-peripheral Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2014, 113, 142301.</p>	7.8	179
56	<p>Direct Observation of Dijets in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 162301.</p>	7.8	179
57	<p>Scaling Properties of Hyperon Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 062301.</p>	7.8	175
59	<p>Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. Journal of Instrumentation, 2010, 5, P03003-P03003.</p>	1.2	171
60	<p>Centrality, rapidity and transverse momentum dependence of Λ production in noncentral Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 022301.</p>	4.1	171
61	<p>Centrality, rapidity and transverse momentum dependence of Λ production in noncentral Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 022301.</p>	7.8	171
62	<p>Suppression of Λ production in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 022301.</p>	4.1	171
63	<p>Minijet deformation and charge-independent angular correlations on momentum subspace (\hat{n}_1, \hat{n}_2) in Au-Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2006, 73, .</p>	2.9	166
65	<p>Forward Neutral Pion Production in p+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152302.</p>	7.8	166
66	<p>Multistrange Baryon Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 122301.</p>	7.8	164
67	<p>Energy dependence of Λ production in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 022301.</p>	4.1	161
68	<p>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, 2011, 106, 022301.</p>	4.1	156
69	<p>Pseudorapidity density of charged particles in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 022301.</p>	7.8	155
70	<p>Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.</p>	27.8	154
71	<p>Centrality dependence of the pseudorapidity density distribution for charged particles in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2013, 107, 022301.</p>	7.8	154
72	<p>Centrality dependence of the pseudorapidity density distribution for charged particles in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2013, 107, 022301.</p>	7.8	154

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73	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
74	Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in $\langle p_T \rangle$ Collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	7.8	151
75	$K(892)^*$ resonance production in Au+Au and p+pcollisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2005, 71, .	2.9	149
76	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
77	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
78	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
79	Multistrange Baryon Production in Au-Au Collisions at $\sqrt{s} = 130$ GeV. Physical Review Letters, 2004, 92, 182301.	7.8	140
80	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
81	Forward Neutral Pion Transverse Single-Spin Asymmetries in Au+Au collisions at $\sqrt{s} = 7$ TeV. Centralty dependence of particle production in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2015, 91, .	7.8	138
82	Centralty dependence of particle production in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2015, 91, .	2.9	135
83	Production of Λ and $\bar{\Lambda}$ in Au+Au collisions at $\sqrt{s} = 0.9$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.	4.1	133
84	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
85	Multiparticle azimuthal correlations in Au+Au collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, .	2.9	130
86	Λ Production and Possible Modification in Au+Au and p+pcollisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2004, 92, 092301.	7.8	127
87	Inclusive charged hadron elliptic flow in Au+Au collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2012, 86, .	2.9	127
88	Production of $\Sigma(1385)^+$ and $\Sigma(1385)^0$ in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 1.	3.9	125
89	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
90	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s} = 7.7$ GeV. Physical Review C, 2013, 88, .	2.9	124

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91	Azimuthal Anisotropy and Correlations at Large Transverse Momenta in p+Au and Au+Au Collisions at $\sqrt{s_{NN}} = 200$ and 2760 GeV. Physical Review Letters, 2004, 93, 252301. Pion, kaon, proton and anti-proton transverse momentum distributions from	7.8	122
92	Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.1	122
93	Measurements of meson production in relativistic heavy-ion collisions at the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2009, 79, and transverse momentum dependence of inclusive	4.7	118
94	Event-by-event fluctuations of the mean transverse momentum in 40, 80, and 158A Pb-Pb Au collisions. Nuclear Physics A, 2003, 727, 97-119.	2.9	117
95	Mass, quark-number, and NN dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. Physical Review C, 2007, 75, .	4.1	115
96	Production of $K^*(892)^0$ and $\bar{K}^*(1020)$ in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.5	112
97	Strange Baryon Resonance Production in $\sqrt{s_{NN}} = 200$ GeV p+Au and Au+Au Collisions. Physical Review Letters, 2006, 97, 132301. Third harmonic flow of charged particles in Au+Au collisions at	2.9	112
98	Production of $K^*(892)^0$ and $\bar{K}^*(1020)$ in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
99	Strange Baryon Resonance Production in $\sqrt{s_{NN}} = 200$ GeV p+Au and Au+Au Collisions. Physical Review Letters, 2006, 97, 132301. Third harmonic flow of charged particles in Au+Au collisions at	7.8	108
100	Enhanced strange baryon production in Au+Au collisions compared to	2.9	106
101	Particle Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 092301.	4.1	105
102	System-Size Independence of Directed Flow Measured at the BNL Relativistic Heavy-Ion Collider. Physical Review Letters, 2008, 101, 252301.	7.8	102
103	Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. European Physical Journal C, 2013, 73, 2662. Enhanced strange baryon production in Au+Au collisions compared to	3.9	101
104	Measurements of D^0 and D^+ production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 092301.	2.9	97
105	Upgrade of the ALICE Experiment: Letter Of Intent. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087001.	7.8	97
106	Measurement of D^0 and D^+ production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 092301.	4.7	97
107	Azimuthal Anisotropy at Midrapidity in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 93, 252301.	3.6	97
108	Azimuthal Anisotropy at Midrapidity in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 93, 252301.	7.8	95

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109	Measurement of Prompt D -Meson Production in Pb -Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 2974.	7.8	94
110	Transverse mass distributions of neutral pions from ^{208}Pb -induced reactions at $158 A$ GeV. European Physical Journal C, 2002, 23, 225-236.	3.9	93
111	Production of charged pions as a function of charged particle multiplicity in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	4.1	93
112	Observation of Charge Asymmetry Dependence of Pion Elliptic Flow and the Possible Chiral Magnetic Wave in Heavy-Ion Collisions. Physical Review Letters, 2015, 114, 252302.	7.8	93
113	J/ψ suppression 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, 2017, 766, 212-224.	7.8	92
114	Indications of Conical Emission of Charged Hadrons at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2009, 102, 052302.	7.8	91
115	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 072301.	7.8	91
116	Fluctuations of charge separation perpendicular to the event plane and local parity violation in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 88, .	7.8	91
117	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in p - p Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2008, 100, 232003.	7.8	89
118	Observation of an Energy-Dependent Difference in Elliptic Flow between Particles and Antiparticles in Relativistic Heavy Ion Collisions. Physical Review Letters, 2013, 110, 142301.	7.8	89
119	Measurement of quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2974.	3.9	89
120	Inclusive Λ production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	4.1	88
121	Beam energy and centrality dependence of two-pion Bose-Einstein correlations at SPS energies. Nuclear Physics A, 2003, 714, 124-144.	1.5	87
122	Suppression of Λ production in Pb -Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 124101.	4.1	87
123	Strange and multistrange particle production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, .	2.9	86
124	Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 124101.	7.8	86
125	Measurement of the cross section for the production of Λ baryons in pp collisions at $\sqrt{s} = 7$ TeV with ALICE. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	7.8	86
126	Production of K mesons in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2017, 95, .	2.9	86

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127	Production of the ρ meson detected by low-mass electron-positron pairs in central PbAu collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2004, 93, .	4.1	85
128	Azimuthal Anisotropy in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 93, .	7.8	85
129	Incident energy dependence of ρ correlations at relativistic energies. Physical Review C, 2005, 72, .	2.9	84
131	Production of ρ mesons at high transverse momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2009, 80, .	2.9	81
132	Three-Particle Coincidence of the Long Range Pseudorapidity Correlation in High Energy Nucleus-Nucleus Collisions. Physical Review Letters, 2010, 105, 022301.	7.8	80
133	Identified Hadron Compositions in Au+Au Collisions at High Transverse Momenta. Physical Review C, 2009, 80, .	7.8	80
134	Production of ρ mesons at high transverse momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2009, 80, .	4.1	80
135	Correlation Function in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2009, 80, .	7.8	80
136	Production of e^+e^- pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	79
137	Growth of Long Range Forward-Backward Multiplicity Correlations with Centrality in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2009, 103, 172301.	7.8	79
138	Transverse-momentum correlations in (\hat{n}, ϕ) from mean-pt fluctuations in Au+Au collisions at GeV. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, L37-L48.	3.6	78
139	Phenomenological Review on Quark-Gluon Plasma: Concepts vs. Observations. Universe, 2017, 3, 7.	2.5	78
140	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	2.9	73
141	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
142	Energy and system size dependence of ρ meson production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2004, 93, .	4.1	71
143	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	27.8	71
144	Transverse single-spin asymmetry and cross section for ρ mesons at large Feynman x . Physical Review C, 2009, 80, .	4.7	70

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145	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2015, 115, 092002.	7.8	70
146	Heavy flavour decay muon production at forward rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 728, 265-275.	4.1	69
147	Measurement of the Bottom-Quark Contribution to Nonphotonic Electron Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 072301.	7.8	69
148	Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2010, 105, 072301.	7.8	68
149	Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics, 2013, 722, 262-272.	4.1	68
150	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
151	Long-range pseudorapidity dihadron correlations in d+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. 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, 2017, 772, 567-577.	7.8	67
152	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, 2017, 772, 567-577.	7.8	67
153	Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 072002.	7.8	67
154	Event-wise fluctuations in Au-Au collisions at $\sqrt{s_{NN}} = 130$ GeV. Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized proton-proton collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2013, 110, 152301.	4.1	67
155	Event-wise fluctuations in Au-Au collisions at $\sqrt{s_{NN}} = 130$ GeV. Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized proton-proton collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2013, 110, 152301.	4.1	67
156	Event-wise fluctuations in Au-Au collisions at $\sqrt{s_{NN}} = 130$ GeV. Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized proton-proton collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2013, 110, 152301.	2.9	66
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160	Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at RHIC. Physical Review Letters, 2014, 113, 072301.	7.8	62
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162	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62

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164	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.	4.7	61
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166	Multiplicity dependence of inclusive p spectra from p-p collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2006, 74, .	7.8	60
167	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	60
168	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions. Physical Review Letters, 2013, 111, 232302.	2.9	60
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170	Measurement of electrons from semi-leptonic heavy-flavor hadron decays in Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review D, 2010, 82, .	4.1	60
171	Directed flow in Au+Au collisions at $\sqrt{s_{NN}} = 62.4$ GeV. Physical Review C, 2006, 73, .	4.1	58
172	Hadronic resonance production in Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review D, 2010, 82, .	4.7	58
173	Charged and strange hadron elliptic flow in Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review D, 2010, 82, .	4.7	57
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183	<p>Parton energy loss in heavy-ion collisions via direct-photon and charged-particle azimuthal correlations. Physical Review C, 2010, 82, .</p>	2.9	53
184	<p>Dielectron Mass Spectra from Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2014, 113, 022301.</p>	7.8	52
185	<p>Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 13-23.</p>	4.1	51
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188	<p>$\bar{\psi}\psi$-correlations in central Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2007, 75, .</p>	2.9	50
189	<p>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.</p>	4.7	50
190	<p>Linear and non-linear flow mode in Pb+Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 68-80.</p>	4.1	50
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194	<p>Measurement of charged jet production cross sections and nuclear modification in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2014, 112, 022301.</p>	4.1	49
195	<p>Jet-hadron Correlations in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2014, 112, 022301.</p>	7.8	48
196	<p>Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.</p>	4.7	48
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198	<p>Measurement of the Parity-Violating Longitudinal Single-Spin Asymmetry for W-Boson Production in Polarized Proton-Proton Collisions at $\sqrt{s} = 500$ GeV. Physical Review Letters, 2014, 112, 022301.</p>	7.8	46

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200	One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV Physical Review C, 2015, 92, 014907	2.9	46
201	High- p_T Au–Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV Physical Review Letters, 2012, 109, 022301	2.9	45
202	Anomalous centrality evolution of two-particle angular correlations from Au–Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV Physical Review Letters, 2012, 109, 022301	4.7	45
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223	Coherent π^0 production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 258-270.	4.1	38
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228	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
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230	Neutral kaon interferometry in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2006, 74, 054907.	2.9	35
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238	Production of π^0 and direct photon at high transverse momentum in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2003, 715, 262c-271c.	2.9	32
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242	Latest results from CERES/NA45. Nuclear Physics A, 2003, 715, 262c-271c.	1.5	31
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248	Coherent π^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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258	Neutral pion production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2017, 954, 107-117.	2.9	25
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279	Strangelet search in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2007, 76, .	2.9	19
280	Measurement of the $W^+e^-\gamma$ production cross sections at mid-rapidity in proton-proton collisions at $\sqrt{s} = 500$ GeV. Physical Review D, 2012, 85, .	4.7	19
281	Charge-Dependent Directed Flow in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2017, 118, 012301.	4.1	19
282	Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2017, 118, 012301.	7.8	19
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287	Event-by-event charged neutral fluctuations in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	2.9	17
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290	Observation of $\langle \frac{dN}{d\eta} \rangle$ in ultraperipheral heavy-ion collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2010, 81, .	2.9	16
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304	Elliptic flow of charged pions, protons and strange particles emitted in Pb+Au collisions at top SPS energy. Nuclear Physics A, 2012, 894, 41-73.	1.5	12
305	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
306	Azimuthally Differential Pion Femtoscopy in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 118, 222301.	7.8	12

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309	Flow and nonflow correlations by two- and four-particle cumulant measurements of azimuthal harmonics in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at the LHC. Physical Review C, 2017, 96, 014902.	2.9	11
310	Isolated photons, position and pion-photon correlations in high-energy $\sqrt{s_{NN}} = 2.76$ TeV Au+Au collisions. Physical Review D, 2017, 96, 014004.	4.7	11
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312	Centrality and pseudorapidity dependence of charged hadron production at intermediate $\sqrt{s_{NN}} = 130$ GeV. Physical Review C, 2004, 70, 054902.	2.9	9
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