

# Marco van Leeuwen

## List of Publications by Year in descending order

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205  
papers

15,500  
citations

16451

64  
h-index

17592

121  
g-index

205  
all docs

205  
docs citations

205  
times ranked

7541  
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	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 252302.	7.8	659
3	Energy dependence of pion and kaon production in central Pb+Pb collisions. Physical Review C, 2002, 66, .	2.9	487
4	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
5	Pion and kaon production in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 252302.	2.9	302
6	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
7	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	270
8	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249
9	The theory and phenomenology of perturbative QCD based jet quenching. Progress in Particle and Nuclear Physics, 2011, 66, 41-92.	14.4	249
10	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
11	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
12	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
13	Charmonium and $e + e^- \rightarrow \gamma \gamma$ 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
14	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
15	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s} = 0.9$ and 2.36 TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	3.9	199
16	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 252302.	7.8	184
17	Partonic Flow and $\bar{J}$ -Meson Production in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 252301.	7.8	181
18			

#	ARTICLE	IF	CITATIONS
19	Direct Observation of Dijets in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 162301.	7.8	179
20	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. Journal of Instrumentation, 2010, 5, P03003-P03003.	1.2	171
21	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2013, 111, 162301.	7.8	171
22	Forward Neutral Pion Production in p+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152302.	7.8	166
23	Multistrange Baryon Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 122301.	7.8	164
24	Strangeness dynamics and transverse pressure in relativistic nucleus-nucleus collisions. Physical Review C, 2004, 69, .	2.9	152
25	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
26	Longitudinal Double-Spin Asymmetry and Cross Section for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 252001.	7.8	141
27	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
28	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
29	Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2008, 101, 222001.	7.8	138
30	Energy and centrality dependence of $p$ and $\bar{p}$ production and the $p/\bar{p}$ ratio in Pb+Pb collisions between 20 AGeV and 158 AGeV. Physical Review C, 2006, 73, .	2.9	131
31	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
32	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
33	Energy and centrality dependence of deuteron and proton production in Pb+Pb collisions at relativistic energies. Physical Review C, 2004, 69, .	2.9	119
34	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
35	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
36	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

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37	Strange Baryon Resonance Production in $\sqrt{s_{NN}}=200$ GeV $p+Au$ and $Au+Au$ Collisions. Physical Review Letters, 2006, 97, 132301.	7.8	108
38	Comparison of jet quenching formalisms for a quark-gluon plasma. Physical Review C, 2012, 86, . Energy dependence of $I_1$ and $I_2$ production in central $pp$ collisions	2.9	108
39	Production of $I_1$ and $I_2$ in central $pp$ collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 132301.	2.9	104
40	System-Size Independence of Directed Flow Measured at the BNL Relativistic Heavy-Ion Collider. Physical Review Letters, 2008, 101, 252301.	7.8	102
41	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
42	Photoproduction off Protons in Ultraperipheral $Pb-Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 103, 252302.	7.8	100
43	Transverse momentum spectra and nuclear modification factors of charged particles in $pp$ , $p-Pb$ and $Pb-Pb$ collisions at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	4.7	97
44	Production of Muons from Heavy Flavor Decays at Forward Rapidity in $pp$ and $Pb-Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 103, 252302.	7.8	96
45	Meson Production in $pp$ and $Pb-Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 103, 252302.	7.8	94
46	$I_1$ and $I_2$ Production in Central $Pb-Pb$ Collisions at 40, 80, and 158 A GeV. Physical Review Letters, 2004, 93, 022302.	7.8	93
47	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in $p+p$ Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2008, 100, 232003.	7.8	89
48	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
49	Production of $K^*$ and $\phi$ in $Pb-Pb$ collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2016, 76, 245.	3.9	89
50	Transverse momentum fluctuations in nuclear collisions at 158 A GeV. Physical Review C, 2004, 70, .	2.9	88
51	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, 103, 252302.	7.8	86
52	Event-by-Event Fluctuations of the Kaon-to-Pion Ratio in Central $Pb+Pb$ Collisions at 158 GeV per Nucleon. Physical Review Letters, 2001, 86, 1965-1969.	7.8	83
53	$\Lambda^0$ and $\bar{\Lambda}^0$ Production in Central $Pb+Pb$ collisions at 40 and 158 A GeV. Physical Review Letters, 2005, 94, 192301.	7.8	80
54	Growth of Long Range Forward-Backward Multiplicity Correlations with Centrality in $Au+Au$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2009, 103, 172301.	7.8	79

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55	Transverse-momentum correlations on $(\hat{p}_T, \phi)$ from mean-pT fluctuations in Au+Au collisions at GeV. Journal of Physics C: Nuclear and Particle Physics, 2006, 32, 137-148. Energy dependence of meson production in central Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	3.6	78
56	Neutral pion production at midrapidity in pp and Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	2.9	74
57	Recent results on spectra and yields from NA49. Nuclear Physics A, 2003, 715, 161c-170c.	1.5	70
59	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, 202301.	7.8	69
60	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	68
61	Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 202301.	4.7	68
62	Energy dependence of particle ratio fluctuations in central Pb+Pb collisions from $\sqrt{s_{NN}} = 6.3$ to 17.3 GeV. Physical Review C, 2009, 79, .	2.9	66
63	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.	2.9	64
64	Event-by-event mean $\langle p_T \rangle$ fluctuations in pp and Pb collisions at the LHC. European Physical Journal C, 2014, 74, 1.	3.9	62
65	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
66	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 232302.	7.8	58
67	Transverse momentum dependence of inclusive primary charged-particle production in Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	58
68	System-Size Dependence of Strangeness Production in Nucleus-Nucleus Collisions at $\sqrt{s_{NN}} = 17.3$ GeV. Physical Review Letters, 2005, 94, 052301.	7.8	56
69	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	55
70	Measurement of prompt $J/\psi$ and beauty hadron production cross sections at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54

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73	Measurement of $D_0$ , $D^+$ , $D^{*+}$ and $D^+s$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	54
74	Evidence for Nonhadronic Degrees of Freedom in the Transverse Mass Spectra of Kaons from Relativistic Nucleus-Nucleus Collisions?. Physical Review Letters, 2004, 92, 032302.	7.8	50
75	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
76	Electric charge fluctuations in central Pb+Pb collisions at 20A, 30A, 40A, 80A, and 158A GeV. Physical Review C, 2004, 70, .	2.9	49
77	Energy dependence of multiplicity fluctuations in heavy ion collisions at 20A to 158A GeV. Physical Review C, 2008, 78, .	2.9	49
78	Energy dependence of transverse momentum fluctuations in $Pb+Pb$ collisions at the CERN Super Proton Synchrotron (SPS) at $\sqrt{s_{NN}}=20$ A GeV. Physical Review C, 2008, 78, .	2.9	49
79	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ TeV and 13.6 TeV. European Physical Journal C, 2019, 79, 1.	3.9	49
80	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
81	Bose-Einstein correlations of $\pi^0$ in central Pb+Pb collisions at $\sqrt{s_{NN}}=20$ A GeV. Physical Review C, 2008, 77, .	2.9	48
82	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
83	Centrality and system size dependence of multiplicity fluctuations in nuclear collisions at 158A GeV. Physical Review C, 2007, 75, .	2.9	47
84	$J/\psi$ production and nuclear effects in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	44
85	Measurement of $D^0$ , $D^+$ , $D^{*+}$ and $D^+s$ production in pp collisions at $\sqrt{s} = 5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1.	3.9	43
86	Strangeness from 20A GeV to 158A GeV. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S119-S128.	3.6	42
87	$\hat{b}+c$ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
88	Novel tools and observables for jet physics in heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 065102.	3.6	42
89	Measurement of Transverse Single-Spin Asymmetries for Dijet Production in Proton-Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2007, 99, 142003.	7.8	41
90	Measurement of visible cross sections in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV in van der Meer scans with the ALICE detector. Journal of Instrumentation, 2014, 9, P11003-P11003.	1.2	40

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91	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s}_{\mathrm{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
92	Critical fluctuations of the proton density in A+A collisions at 158A GeV. European Physical Journal C, 2015, 75, 1.	3.9	39
93	Observation of Two-Source Interference in the Photoproduction Reaction $\langle \cos(\phi_1 - \phi_2) \rangle$ in AuAu collisions at $\sqrt{s_{\mathrm{NN}}}=7.8$ TeV. Physical Review Letters, 2009, 102, 112301.	7.8	38
94	Rapidity and transverse-momentum dependence of the inclusive $J/\psi$ nuclear modification factor in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
95	Multiplicity dependence of $\pi$ , K, and p production in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	38
96	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
97	Production of $\Sigma(1385)^{\pm}$ in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}}=1.3$ TeV. European Physical Journal C, 2017, 77, 389.	3.9	36
98	Search for the QCD critical point in nuclear collisions at $\sqrt{s_{\mathrm{NN}}}=158$ A GeV at the CERN Super Proton Synchrotron (SPS). Physical Review C, 2010, 81, .	2.9	35
99	Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
100	Energy dependence of $\psi(2S)$ and production at CERN-SPS energies. Nuclear Physics A, 2003, 715, 453c-457c.	1.5	34
101	Energy dependence of exclusive $\eta/\psi$ photoproduction of protons in ultra-peripheral p+Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	34
102	System size and centrality dependence of the balance function in A+A collisions at $\sqrt{s_{\mathrm{NN}}}=17.2$ GeV. Physical Review C, 2005, 71, .	2.9	33
103	The energy dependence of pT angular correlations inferred from mean-pT fluctuation scale dependence in heavy ion collisions at the SPS and RHIC. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, High transverse momentum hadron spectra at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review C, 2015, 91, 054907.	3.6	33
104	High transverse momentum hadron spectra at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review C, 2015, 91, 054907.	2.9	32
105	Transverse sphericity of primary charged particles in minimum bias proton+proton collisions at $\sqrt{s}=0.9, 2.76, 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	32
106	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
107	Mid-rapidity anti-baryon to baryon ratios in pp collisions at $\sqrt{s}=0.9, 2.76, 7$ TeV measured by ALICE. European Physical Journal C, 2013, 73, 1.	3.9	31
108	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

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109	Lambda production in central Pb $\sqrt{s}$ Pb collisions at CERN-SPS energies. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1761-1768.	3.6	30
110	Results on correlations and fluctuations from NA49. Nuclear Physics A, 2003, 715, 55c-64c.	1.5	30
111	$\langle K^0 \rangle = \langle K^+ \rangle + \langle K^- \rangle$	2.9	30
112	Inclusive, prompt and non-prompt $J/\psi$ 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
113	Coherent $\bar{K}^0$ 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
114	Particle identification in ALICE: a Bayesian approach. European Physical Journal Plus, 2016, 131, 1.	2.6	29
115	Centrality dependence of inclusive $J/\psi$ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
116	Suppression of $\psi(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	24
117	(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	24
118	Multiplicity fluctuations in nuclear collisions at 158A GeV. Journal of Physics: Conference Series, 2005, 5, 74-85.	0.4	23
119	$Pb + Pb \rightarrow Pb + Pb$	2.9	23
120	Production of light-flavor hadrons in pp collisions at $\sqrt{s} \sim 7$ TeV and $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	23
121	Prompt $D^0$ , $D^+$ , and $D^{*+}$ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	23
122	System-size and centrality dependence of charged kaon and pion production in nucleus-nucleus collisions at 40 A GeV and 158 A GeV. Physical Review C, 2012, 86, 014902.	2.9	22
123	$A + A \rightarrow A + A$	2.9	20
124	Antideuteron and deuteron production in midcentral Pb+Pb collisions at 158 A GeV. Physical Review C, 2012, 85, 014902.	2.9	20
125	Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
126	Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	18



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127	Measurement of prompt $D^0$ , $D^+$ , $D^{*+}$ , and $D^+$ production in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
128	Coherent $J/\psi$ and $\Upsilon$ photoproduction at midrapidity in ultra-peripheral $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	18
129	Performance of prototypes for the ALICE electromagnetic calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 615, 6-13.	1.6	17
130	Phase-space dependence of particle-ratio fluctuations in $Pb + Pb$ collisions from 20 to 158 GeV beam energy. Physical Review C, 2014, 89, .	2.9	17
131	Measurement of beauty and charm production in $pp$ collisions at $\sqrt{s} = 5.02$ TeV via non-prompt and prompt $D$ mesons. Journal of High Energy Physics, 2021, 2021, 1.	4.7	17
132	A cone jet-finding algorithm for heavy-ion collisions at LHC energies. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 271-281.	3.6	16
133	Heavy-ion physics studies for the Future Circular Collider. Nuclear Physics A, 2014, 931, 1163-1168.	1.5	16
134	Prompt and non-prompt $J/\psi$ production and nuclear modification at mid-rapidity in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	16
135	Event-Shape Engineering for the $D$ -meson elliptic flow in mid-central $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
136	Higher harmonic non-linear flow modes of charged hadrons in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
137	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
138	Two-particle correlations on transverse momentum and momentum dissipation in $Au-Au$ collisions at $\sqrt{s_{NN}} = 130$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 799-816.	3.6	14
139	$J/\psi$ elliptic and triangular flow in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
140	Inclusive $J/\psi$ production at mid-rapidity in $pp$ collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
141	Strangeness dynamics in relativistic nucleus-nucleus collisions. Progress in Particle and Nuclear Physics, 2004, 53, 225-237.	14.4	13
142	Measurement of the inclusive $J/\psi$ polarization at forward rapidity in $pp$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	13
143	Studies of $J/\psi$ 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
144	Center of mass energy and system-size dependence of photon production at forward rapidity at RHIC. Nuclear Physics A, 2010, 832, 134-147.	1.5	12



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163	System-size dependence of particle-ratio fluctuations in Pb + Pb collisions at 158A GeV. Physical Review C, 2013, 87, .	2.9	8
164	Inclusive $J/\psi$ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
165	Measurement of the inclusive isolated photon production cross section in $\sqrt{s}=7$ TeV collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	8
166	Measurements of the groomed and ungroomed jet angularities in pp collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	8
167	Measurements of low-pT electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.1	7
168	Measurements of low-pT electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
169	Production of light (anti)nuclei in pp collisions at $\sqrt{s}=5.02$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	7
170	Proton- $\Lambda$ correlations in central Pb-Pb collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	2.9	6
171	Dielectron production in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
172	Measurement of nuclear effects on $\Upsilon(2S)$ production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
173	Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
174	Inclusive $\psi(2S)$ production at midrapidity in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	6
175	Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	6
176	Upper limit of $D_0$ production in central Pb-Pb collisions at 158A GeV. Physical Review C, 2006, 73, .	2.9	5
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