

Kjetil Ullaland

List of Publications by Year in descending order

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Version: 2024-02-01

162
papers

6,175
citations

71102

41
h-index

79698

73
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169
all docs

169
docs citations

169
times ranked

6721
citing authors

#	ARTICLE	IF	CITATIONS
1	The ALICE TPC, a large 3-dimensional tracking device with fast readout for ultra-high multiplicity events. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 316-367.	1.6	450
2	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	228
3	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=7\mathrm{TeV}$ with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.	3.9	212
4	Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900\mathrm{GeV}$ with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	209
5	Charmonium and $e+e'$ pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. European Physical Journal C, 2013, 73, 2617.	3.9	203
6	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
7	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=0.9$ and $2.36\mathrm{TeV}$ with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	3.9	199
8	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s}=7\mathrm{TeV}$. European Physical Journal C, 2015, 75, 226.	3.9	149
9	Strange particle production in proton-proton collisions at $\sqrt{s}=0.9\mathrm{TeV}$ with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	140
10	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s}=7\mathrm{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	139
11	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s}=7\mathrm{TeV}$. European Physical Journal C, 2015, 75, 1.	3.9	125
12	First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900\mathrm{GeV}$. European Physical Journal C, 2010, 65, 111-125.	3.9	124
13	Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	118
14	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s}=2.76\mathrm{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	115
15	Production of $K^*(892)^0$ and $\bar{K}^*(1020)$ in pp collisions at $\sqrt{s}=7\mathrm{TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	111
16	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
17	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
18	Measurement of quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=7\mathrm{TeV}$. European Physical Journal C, 2014, 74, 2974.	3.9	89

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19	Production of $K^*_{S^*}(892)$ and $\phi(1020)$ in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2016, 76, 245.	3.9	89
20	Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	88
21	Neutral pion production at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	72
22	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	68
23	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	62
24	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	62
25	Event-by-event mean $\langle p_T \rangle$ fluctuations in pp and Pb-Pb collisions at the LHC. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	61
26	A terrestrial gamma-ray flash and ionospheric ultraviolet emissions powered by lightning. <i>Science</i> , 2020, 367, 183-186.	12.6	60
27	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	58
28	Transverse momentum dependence of inclusive primary charged-particle production in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	58
29	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ and 2.76 TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	55
30	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
31	Measurement of D_0 , D^+ , D^{*+} and D^+s production in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	54
32	First 10 Months of TGF Observations by ASIM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 14024-14036.	3.3	52
33	Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	50
34	Energy dependence of forward-rapidity $\langle J/\psi \rangle$ and $\psi(2S)$ production in pp collisions at the LHC. <i>European Physical Journal C</i> , 2017, 77, 392.	3.9	50
35	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	49
36	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	49

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37	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
38	J/ψ production and nuclear effects in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	44
39	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	2.6	44
40	Measurement of D^0 , D^+ , D^{*+} and $\mathrm{D}^+_{\mathrm{s}}$ production in pp collisions at $\sqrt{s}=5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1.	3.9	43
41	$\bar{b}+c$ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
42	The Modular X- and Gamma-Ray Sensor (MXGS) of the ASIM Payload on the International Space Station. Space Science Reviews, 2019, 215, 1.	8.1	42
43	Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	40
44	Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV at the LHC. European Physical Journal C, 2017, 77, 1.	3.9	40
45	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
46	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 184.	3.9	39
47	Rapidity and transverse-momentum dependence of the inclusive J/ψ 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
48	Multiplicity dependence of π , K, and p production in pp collisions at $\sqrt{s}=13.6$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	38
49	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
50	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1385)^{\pm}$. European Physical Journal C, 2017, 77, 389.	3.9	36
51	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
52	π^0 and η meson production in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	34
53	Energy dependence of exclusive J/ψ photoproduction off 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
54	Differential studies of inclusive J/ψ and $\psi(2S)$ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	33

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55	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
56	Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at $\sqrt{s} = 0.9, 7, 8$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	32
57	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
58	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
59	Centrality dependence of charged jet production in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 271.	3.9	31
60	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
61	Neutral pion and η meson production in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	31
62	Inclusive, prompt and non-prompt J/ψ production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
63	Coherent π^0 photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
64	Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, Pb-Pb, and Pb-Pb collisions at the LHC. European Physical Journal C, 2016, 76, 86.	3.9	30
65	Gamma Ray Glow Observations at 20 km Altitude. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7236-7254.	3.3	30
66	Particle identification in ALICE: a Bayesian approach. European Physical Journal Plus, 2016, 131, 1.	2.6	29
67	Centrality dependence of inclusive J/ψ production in p-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
68	Production of π^0 and η mesons up to high transverse momentum in pp collisions at 2.76 TeV. European Physical Journal C, 2017, 77, 339.	3.9	28
69	ALICE HLT High Speed Tracking on GPU. IEEE Transactions on Nuclear Science, 2011, 58, 1845-1851.	2.0	26
70	Suppression of $\psi(2S)$ production in p-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	24
71	(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	24
72	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 7$ TeV and Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 245.	3.9	23

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73	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	23
74	Prompt D^0 , D^+ , and D^{*+} production in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	23
75	Proton tracking in a high-granularity Digital Tracking Calorimeter for proton CT purposes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 860, 51-61.	1.6	22
76	A High-Granularity Digital Tracking Calorimeter Optimized for Proton CT. Frontiers in Physics, 2020, 8, .	2.1	21
77	Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
78	Very-high-frequency oscillations in the main peak of a magnetar giant flare. Nature, 2021, 600, 621-624.	27.8	20
79	Measurement of D^+ production and nuclear modification factor in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
80	Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	18
81	Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
82	Design optimization of a pixel-based range telescope for proton computed tomography. Physica Medica, 2019, 63, 87-97.	0.7	18
83	Measurement of prompt D^0 , D^+ , D^{*+} , and D^+_{S} production in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
84	Coherent J/ψ and $\psi(2S)$ photoproduction at midrapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	18
85	Centrality dependence of $\psi(2S)$ suppression in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
86	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
87	Prompt and non-prompt J/ψ / $\psi(2S)$ production and nuclear modification at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	16
88	Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
89	Relative particle yield fluctuations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	15
90	Simultaneous Observations of EIP, TGF, Elve, and Optical Lightning. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033921.	3.3	15

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91	Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
92	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ and 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
93	J/ψ elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
94	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
95	W and Z boson production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
96	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
97	Measurement of the inclusive J/ψ polarization at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	13
98	Studies of J/ψ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
99	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
100	Charged-particle pseudorapidity density at mid-rapidity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	12
101	Study of J/ψ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
102	Production of pions, kaons, (anti-)protons and ϕ mesons in Xe-Xe collisions at $\sqrt{s_{\mathrm{NN}}} = 5.44$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	12
103	Pseudorapidity distributions of charged particles as a function of mid- and forward rapidity multiplicities in pp collisions at $\sqrt{s} = 5.02, 7$ and 13 TeV. European Physical Journal C, 2021, 81, 1.	3.9	12
104	Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
105	Azimuthal correlations of prompt D mesons with charged particles in pp and p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	11
106	Coherent photoproduction of ρ^0 vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
107	Underlying event properties in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
108	Measurement of the production cross section of prompt χ_{c0} baryons at midrapidity in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11

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109	Terrestrial Gamma-ray Flashes With Accompanying Elves Detected by ASIM. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	11
110	Measurement of D-meson production versus multiplicity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
111	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10
112	Spectral Analysis of Individual Terrestrial Gamma-ray Flashes Detected by ASIM. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035347.	3.3	10
113	Measurement of electrons from beauty-hadron decays in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
114	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
115	A Rapid Gamma-ray Glow Flux Reduction Observed From 20 km Altitude. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033467.	3.3	9
116	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
117	Prompt and non-prompt J/ψ production cross sections at midrapidity in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
118	Online pattern recognition for the ALICE high level trigger. IEEE Transactions on Nuclear Science, 2004, 51, 383-390.	2.0	8
119	Inclusive J/ψ 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
120	The First Terrestrial Electron Beam Observed by the Atmosphere-Space Interactions Monitor. Journal of Geophysical Research: Space Physics, 2019, 124, 10497-10511.	2.4	8
121	Image quality of list-mode proton imaging without front trackers. Physics in Medicine and Biology, 2020, 65, 135012.	3.0	8
122	Helium radiography with a digital tracking calorimeter—a Monte Carlo study for secondary track rejection. Physics in Medicine and Biology, 2021, 66, 035004.	3.0	8
123	Measurement of the inclusive isolated photon production cross section in p-p collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	8
124	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
125	Benchmarks and implementation of the ALICE high level trigger. IEEE Transactions on Nuclear Science, 2006, 53, 854-858.	2.0	7
126	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

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127	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	7
128	Addendum to: Centrality dependence of high-pT D-meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	6
129	Dielectron production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
130	Characterization of monolithic CMOS pixel sensor chip with ion beams for application in particle computed tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162626.	1.6	6
131	Measurement of nuclear effects on $\Upsilon(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
132	Constraining Spectral Models of a Terrestrial Gamma-Ray Flash From a Terrestrial Electron Beam Observation by the Atmosphere-Space Interactions Monitor. Geophysical Research Letters, 2021, 48, e2021GL093152.	4.0	6
133	Investigating particle track topology for range telescopes in particle radiography using convolutional neural networks. Acta Oncologica, 2021, 60, 1413-1418.	1.8	6
134	Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
135	Inclusive χ_c production at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	6
136	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
137	Jet fragmentation transverse momentum measurements from di-hadron correlations in $\sqrt{s} = 7$ TeV pp and $\sqrt{s_{NN}} = 5.02$ TeV p-Pb collisions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
138	Long- and short-range correlations and their event-scale dependence in high-multiplicity pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	5
139	Energy dependence of ϕ meson production at forward rapidity in pp collisions at the LHC. European Physical Journal C, 2021, 81, 1.	3.9	5
140	Anisotropic flow of identified hadrons in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	5
141	Low-energy CZT detector array for the ASIM mission. , 2012, , .		4
142	Production of muons from heavy-flavour hadron decays in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
143	Υ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
144	Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4

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145	Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
146	Centrality dependence of J/ψ and $\Upsilon(2S)$ production and nuclear modification in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
147	Production of Ω mesons in pp collisions at $\sqrt{s} = 7, \text{ext } \{ \text{TeV} \}$. European Physical Journal C, 2020, 80, 1.	3.9	4
148	Trigger Performance Simulation of a High Speed ADC-Based TOF-PET Read-Out System. IEEE Transactions on Nuclear Science, 2012, 59, 1910-1914.	2.0	3
149	ϕ meson production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	3
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