

# Roberto Barbera

## List of Publications by Year in descending order

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Version: 2024-02-01

802  
papers

26,658  
citations

5430

85  
h-index

10679

143  
g-index

809  
all docs

809  
docs citations

809  
times ranked

9182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charm-quark fragmentation fractions and production cross section at midrapidity in pp collisions at the LHC. Physical Review D, 2022, 105. Measurement of Prompt $D$ and $D^*$ production in pp collisions at $\sqrt{s} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136943.	1.6	24
2	Measurement of Prompt $D$ and $D^*$ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1. Measurement of the Groomed Jet Radius and Momentum Splitting Fraction in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 828, 137013.	2.9	18
3	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1. Observation of a multiplicity dependence in the $p_T$ -differential charm baryon-to-meson ratios in proton-proton collisions at $\sqrt{s} = 13$ TeV. Production of $\Lambda$ and $\bar{\Lambda}$ in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137060.	1.5	15
4	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. Measurement of the Groomed Jet Radius and Momentum Splitting Fraction in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 828, 137013.	1.6	23
5	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1. Observation of a multiplicity dependence in the $p_T$ -differential charm baryon-to-meson ratios in proton-proton collisions at $\sqrt{s} = 13$ TeV. Production of $\Lambda$ and $\bar{\Lambda}$ in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137060.	2.9	11
6	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1. Observation of a multiplicity dependence in the $p_T$ -differential charm baryon-to-meson ratios in proton-proton collisions at $\sqrt{s} = 13$ TeV. Production of $\Lambda$ and $\bar{\Lambda}$ in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137060.	1.4	7
7	Observation of a multiplicity dependence in the $p_T$ -differential charm baryon-to-meson ratios in proton-proton collisions at $\sqrt{s} = 13$ TeV. Production of $\Lambda$ and $\bar{\Lambda}$ in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137060.	1.5	15
8	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1. Observation of a multiplicity dependence in the $p_T$ -differential charm baryon-to-meson ratios in proton-proton collisions at $\sqrt{s} = 13$ TeV. Production of $\Lambda$ and $\bar{\Lambda}$ in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137060.	1.5	3
9	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. Hypertriton Production in $Pb-Pb$ Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137060.	1.5	13
10	Measurement of prompt $D$ and $D^*$ production in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 828, 137013.	1.5	18
11	Direct observation of the dead-cone effect in quantum chromodynamics. Nature, 2022, 605, 440-446.	1.5	3
12	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.	1.4	6
13	Hypertriton Production in $Pb-Pb$ Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137060.	2.9	15
14	Direct observation of the dead-cone effect in quantum chromodynamics. Nature, 2022, 605, 440-446.	13.7	28
15	Multiplicity dependence of charged-particle jet production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 1.	1.4	3
16	Hypertriton Production in $Pb-Pb$ Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137060.	2.9	9
17	Exploring the $N\bar{N}$ coupled system with high precision correlation techniques at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137272.	1.5	19
18	ALICE Collaboration. Nuclear Physics A, 2021, 1005, 122087.	0.6	1

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19	Elliptic Flow of Electrons from Beauty-Hadron Decays in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review Letters, 2021, 126, 162001.	1.5	22
20	Production of pions, kaons, (anti-)protons and $\phi$ mesons in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV. European Physical Journal C, 2021, 81, 1.	1.5	8
21	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	23
22	Elliptic Flow of Electrons from Beauty-Hadron Decays in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review Letters, 2021, 126, 162001.	2.9	10
23	First measurement of quarkonium polarization in nuclear collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136146.	1.5	11
24	First measurement of the $ t $ -dependence of coherent $J/\psi$ photonuclear production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 817, 136280.	1.1	8
25	Soft-Dielectron Excess in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 042302.	1.5	21
26	Soft-Dielectron Excess in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 042302.	2.9	3
27	Production of pions, kaons, (anti-)protons and $\phi$ mesons in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV. European Physical Journal C, 2021, 81, 1.	1.5	15
28	Production of pions, kaons, (anti-)protons and $\phi$ mesons in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	12
29	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.	1.4	12
30	Coherent $\psi$ and $\psi'$ photoproduction at midrapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	18
31	Jet-associated deuteron production in pp collisions at $\sqrt{s_{NN}} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136449.	1.5	6
32	Multiharmonic Correlations of Different Flow Amplitudes in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review Letters, 2021, 127, 092302.	2.9	9
33	Production and nuclear modification at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.44$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136449.	1.5	4
34	Production and nuclear modification at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136	1.5	14
35	Energy dependence of $\phi$ meson production at forward rapidity in pp collisions at the LHC. European Physical Journal C, 2021, 81, 1.	1.4	5
36	Production of muons from heavy-flavour hadron decays at high transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136	1.5	7

#	ARTICLE	IF	CITATIONS
37	First measurement of coherent $\Lambda_c^+$ photoproduction in ultra-peripheral Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136481.	1.5	6
38	$K_S^0$ and (anti) $\Lambda$ hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	1
39	Kaon-proton strong interaction at low relative momentum via femtoscopy in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136708.	1.5	8
40	Experimental Evidence for an Attractive $p\bar{p}$ Interaction. Physical Review Letters, 2021, 127, 172301.	2.9	30
41	Production and Baryon-to-Meson Ratios in $\Lambda_c^+$ production in $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	2.9	29
42	Measurement of the Cross Sections of $\Lambda_c^+$ production in $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.1	23
43	Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	2
44	Measurement of the Cross Sections of $\Lambda_c^+$ production in $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	2.9	21
45	Inclusive $\psi$ production at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	6
46	Multiplicity dependence of light (anti)nuclei production in $\sqrt{s} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135043.	1.5	27
47	$\bar{\Lambda}_c^+$ 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.	1.6	4
48	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.	1.6	4
49	Multiplicity dependence of $K^*(892)^0$ and $\Lambda(1020)$ production in pp collisions at $\sqrt{s_{NN}} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135501.	1.5	22
50	Search for a common baryon source in high-multiplicity pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135849.	1.5	37
51	Global baryon number conservation encoded in non-prompt fluctuations measured in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135564.	1.5	35
52	Multiplicity dependence of $\pi$ , K, and p production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	38
53	Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2020, 101, 054907.	1.1	4
54	Azimuthal correlations of prompt D mesons with charged particles in pp and $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	11

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55	Measurement of nuclear effects on $\bar{\Lambda}(2S)$ production in p-Pb collisions at $\sqrt{s_{\text{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	6
56	Multiplicity dependence of inclusive $J/\psi$ production at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 810, 135758.	1.5	26
57	Elliptic and triangular flow of (anti)deuterons in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Physical Review C, 2020, 102, .		
58	Dielectron production in proton-proton and proton-lead collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Physical Review C, 2020, 102, .	1.1	4
59	Unveiling the strong interaction among hadrons at the LHC. Nature, 2020, 588, 232-238.	13.7	85
60	$J/\psi$ elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
61	(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	24
62	$K^*(892)^0$ and $\bar{\Lambda}(1020)$ production at midrapidity in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review C, 2020, 102, .	1.1	15
63	Measurement of isolated photon-hadron correlations in $\sqrt{s} = 5.02$ TeV pp collisions. Physical Review C, 2020, 102, .	1.1	11
64	Measurement of the Low-Energy Antideuteron Inelastic Cross Section. Physical Review Letters, 2020, 125, 162001.	2.9	13
65	Centrality and transverse momentum dependence of inclusive $J/\psi$ production at midrapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135434.	1.5	7
66	Measurement of the (anti)3He elliptic flow in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135377.	1.5	18
67	Longitudinal and azimuthal evolution of two-particle transverse momentum correlations in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135486.	1.5	11
68	Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC. Physical Review Letters, 2020, 124, 092301.	2.9	37
69	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and p-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
70	Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. Physical Review Letters, 2020, 125, 012301.	2.9	72

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73	Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC. <i>Physical Review Letters</i> , 2020, 125, 022301.	2.9	49
74	Coherent photoproduction of $\rho^0$ vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	11
75	Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	4
76	Exploration of jet substructure using iterative declustering in pp and Pb-Pb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 802, 135227.	1.5	20
77	Studies of $J/\psi$ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	13
78	Measurements of inclusive jet spectra in central and peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV. <i>Physical Review C</i> , 2020, 101, 054907.	1.1	29
79	Production of charged pions, kaons, and (anti)protons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV. <i>Physical Review C</i> , 2020, 101, 054908.	1.1	110
80	Global polarization of $\Lambda$ and $\bar{\Lambda}$ hyperons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV. <i>Physical Review C</i> , 2020, 101, 054909.	1.1	55
81	Production of (anti)-He3 and (anti)-H3 in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physical Review C</i> , 2020, 101, 054910.	1.1	16
82	Evidence of rescattering effect in Pb-Pb collisions at the LHC through production of $K^0_S$ and $\bar{K}^0_S$ . <i>Physical Review C</i> , 2020, 101, 054911.	1.1	16
83	Measurement of strange baryon-antibaryon interactions with femtoscopic correlations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 802, 135223.	1.5	14
84	Investigation of the $\rho^0$ interaction via femtoscopy in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 805, 135419.	1.5	36
85	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.	1.4	49
86	Underlying event properties in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	11
87	Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	15
88	Z-boson production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	5
89	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	15
90	Production of $\Omega$ mesons in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	4

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91	Measurement of jet radial profiles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Production of the meson $\rho$ and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2019, 79, 1.	1.5	7
92	First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. Physical Review Letters, 2019, 123, 112002.	1.1	20
93	Calibration of the photon spectrometer PHOS of the ALICE experiment. Journal of Instrumentation, 2019, 14, P05025-P05025.	1.4	12
94	Charged-particle pseudorapidity density at mid-rapidity in pA-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 1.	2.9	66
95	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.	0.5	8
96	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.	1.4	49
97	Measurement of $\langle r^2 \rangle$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
98	Collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2019, 79, 1.	2.9	38
99	One-dimensional charged kaon femtoscopy in $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review C, 2019, 100, 014901.	2.9	64
100	Coherent $J/\psi$ photoproduction at forward rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134822.	1.1	7
101	Study of the pA-Pb interaction with femtoscopy correlations in $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review C, 2019, 100, 014901.	1.5	64
102	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.	1.5	37
103	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.	1.6	11
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.	1.6	4
105	Suppression 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.	1.5	37
106	Elementary Particle and High-Energy Physics, 2019, 790, 89-101.	1.6	28
107	Analysis of the apparent nuclear modification in peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 420-432.	1.5	17
108	Analysis of the apparent nuclear modification in peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 420-432.	1.5	17

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109	Multiplicity dependence of $\pi^0$ meson production in pp collisions at $\sqrt{s}=2.76$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Particle Physics, 2019, 79, 1.	1.5	27
110	Measurement of $\pi^0$ meson production in pp collisions at $\sqrt{s}=2.76$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Particle Physics, 2019, 79, 1.	1.4	43
111	Measurement of $\pi^0$ meson production in pp collisions at $\sqrt{s}=2.76$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Particle Physics, 2019, 79, 1.	1.4	43
112	Jet fragmentation transverse momentum measurements from di-hadron correlations in $\sqrt{s}=7$ TeV pp and $\sqrt{s_{NN}}=5.02$ TeV $\text{Pb-Pb}$ collisions. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
113	Energy dependence of exclusive $J/\psi$ photoproduction off protons in ultra-peripheral $\text{Pb-Pb}$ collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	34
114	Real-time data processing in the ALICE High Level Trigger at the LHC. Computer Physics Communications, 2019, 242, 25-48.	3.0	14
115	Direct photon production at low transverse momentum in proton-proton collisions at $\sqrt{s}=2.76$ and $2.76$ TeV. Physical Review C, 2019, 99, 1.	1.1	19
116	Suppression of $\pi^0$ meson production in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ and $2.76$ TeV. Physical Review C, 2019, 99, 1.	1.1	64
117	Measurement of dielectron production in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ and $2.76$ TeV. Physical Review C, 2019, 99, 1.	1.1	14
118	Suppression of $\pi^0$ meson production in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ and $2.76$ TeV. Physical Review C, 2019, 99, 1.	1.1	20
119	Multiplicity dependence of heavy-flavor hadron production in pp collisions at $\sqrt{s}=2.76$ and $2.76$ TeV. Physical Review C, 2019, 99, 1.	1.1	89
120	ALICE Collaboration. Nuclear Physics A, 2019, 982, 975-984.	0.6	1
121	Relative particle yield fluctuations in $\text{Pb-Pb}$ collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	15
122	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.	1.6	16
123	Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in $\text{Pb-Pb}$ Collisions at $\sqrt{s_{NN}}=2.76$ and $2.76$ TeV. Physical Review Letters, 2019, 122, 072301.	2.9	18
124	Study of $J/\psi$ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
125	Charged jet cross section and fragmentation in proton-proton collisions at $\sqrt{s}=2.76$ and $2.76$ TeV. Physical Review D, 2019, 99, 1.	1.6	9
126	Building Global Research Capacity in Public Health: The Case of a Science Gateway for Physical Activity Lifelong Modelling and Simulation. , 2019, , .		3



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127	Measurement of prompt D0, D+, D*+, and $D_s^+$ production in Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
128	Measurement of charged jet cross section in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
129	Two-particle differential transverse momentum and number density correlations in Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV. Physical Review Letters, 2019, 120, 102301.	1.1	10
130	Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV. Physical Review Letters, 2019, 120, 102301.	1.5	67
131	Direct photon elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2019, 120, 102301.	1.5	67
132	Elementary Particle and High-Energy Physics, 2019, 788, 505-518.	1.5	67
133	Elementary Particle and High-Energy Physics, 2019, 788, 166-179.	1.5	67
134	Inclusive $J/\psi$ production at mid-rapidity in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
135	Measurement of the inclusive isolated photon production cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	8
136	Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 102301.	1.1	71
137	Production of $^4\text{He}$ and $^4\text{He}$ nuclei, and their antinuclei in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 102301.	0.6	74
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140	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 151-162.	1.5	39
141	First measurement of jet mass in Pb-Pb and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 249-264.	1.5	39
142	Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review Letters, 2018, 120, 102301.	2.9	80
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144	Measurements of low-pT electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7

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147	Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
148	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	1.6	97
149	INDIGO-DataCloud: a Platform to Facilitate Seamless Access to E-Infrastructures. Journal of Grid Computing, 2018, 16, 381-408.	2.5	58
150	Dielectron production in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
151	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	55
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164	Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2017, 77, 245.	1.5	4
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166	Search for collectivity with azimuthal $J/\psi$ -hadron correlations in high multiplicity pA-Pb collisions at $\sqrt{s_{NN}}=5.02$ and 8.16 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 7-20.	1.5	24
167	Measurement of Z0-boson production at large rapidities in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 372-383.	1.5	7
168	$J/\psi$ suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Production of mesons from heavy-flavour hadron decays and high- $p_T$ electrons in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 66, 212-224.	1.5	92
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171	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.	1.4	62
172	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s}=7$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2017, 77, 245.	1.4	23
173	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s}=7$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 459-472.	1.4	13
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177	Measurement of the production of high- $p_T$ electrons from heavy-flavour hadron decays in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 467-481.	1.5	24
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180	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 567-577.	1.5	68

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186	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	1.4	62
187	Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC. Physical Review Letters, 2017, 118, 162302.	2.9	8
188	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.	1.6	6
189	Azimuthally Differential Pion Femtoscopy in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 222301.	2.9	12
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192	Production of $\Sigma(1385)^{\pm}$ . European Physical Journal C, 2017, 77, 389.	1.4	36
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196	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.	1.6	13
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206	Measurement of the 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.		11
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208	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.	1.4	30
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211	Measurement of transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, .		36
212	Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, .		16
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236	Direct photon production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	1.5	163
237	Multiplicity dependence of charged-particle production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 750, 389-401.	1.5	111
238	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 184.	1.4	39
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240	Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 373-385.	1.5	40
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250	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.	1.6	30
251	Coherent $\bar{p}0$ photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
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254	Forward-backward multiplicity correlations in pp collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	36
255	Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	35
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261	Measurement of dijet production in p-Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 60-61.	1.6	105
262	Measurement of electrons from semileptonic heavy-flavor hadron decays in p-Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review D</i> , 2015, 91, .	1.5	19
263	Measurement of electrons from semileptonic heavy-flavor hadron decays in p-Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review D</i> , 2015, 91, .	1.6	25
264	Production of $K^0_S$ and $K^0_L$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2015, 91, 014907.	1.1	39
265	Two-pion femtoscopy in p-Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review C</i> , 2015, 91, 014907.	1.1	39
266	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in p-p collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. <i>European Physical Journal C</i> , 2015, 75, 1.	1.4	125
267	Inclusive photon production at forward rapidities in p-p collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. <i>European Physical Journal C</i> , 2015, 75, 1.	1.4	12
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269	Measurement of pion, kaon and proton production in p-p collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2015, 75, 226.	1.4	149
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