

Christopher Hills

List of Publications by Year in descending order

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93
papers

1,825
citations

257450

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times ranked

4692
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#	ARTICLE	IF	CITATIONS
1	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
2	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	23
3	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
4	K_S^0 and (anti-) Λ -hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	1
5	Charged-particle multiplicity fluctuations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	2
6	Azimuthal correlations of prompt D mesons with charged particles in pp and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	11
7	(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	24
8	Production of ω mesons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	4
9	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2019, 79, 1.	3.9	49
10	Quarkonium measurements in nucleus-nucleus collisions with ALICE. Nuclear Physics A, 2019, 982, 703-706.	1.5	2
11	Light (anti-)nuclei production and elliptic flow at the LHC with ALICE. Nuclear Physics A, 2019, 982, 447-450.	1.5	4
12	Measurements of heavy-flavour correlations and jets with ALICE at the LHC. Nuclear Physics A, 2019, 982, 579-582.	1.5	2
13	Event-shape- and multiplicity-dependent identified particle production in pp collisions at 13 TeV with ALICE at the LHC. Nuclear Physics A, 2019, 982, 507-510.	1.5	9
14	Upgrade of the ALICE central barrel tracking detectors: ITS and TPC. Nuclear Physics A, 2019, 982, 943-946.	1.5	2
15	Hadronic resonances, strange and multi-strange particle production in Xe-Xe and Pb-Pb collisions with ALICE at the LHC. Nuclear Physics A, 2019, 982, 823-826.	1.5	16
16	ALICE measurements of flow coefficients and their correlations in small (pp and Pb-Pb) and large (Xe-Xe and Pb-Pb) collision systems. Nuclear Physics A, 2019, 982, 487-490.	1.5	7
17	Exploring the Phase Space of Jet Splittings at ALICE using Grooming and Recursive Techniques. Nuclear Physics A, 2019, 982, 587-590.	1.5	5
18	Non-strange and strange D-meson and charm-baryon production in heavy-ion collisions measured with ALICE at the LHC. Nuclear Physics A, 2019, 982, 667-670.	1.5	0

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19	Elliptic flow of identified hadrons in small collisional systems measured with ALICE. Nuclear Physics A, 2019, 982, 451-454.	1.5	8
20	Balance functions of (un)identified hadrons in Pb-Pb, p-Pb, and pp collisions at the LHC. Nuclear Physics A, 2019, 982, 315-318.	1.5	5
21	$f_0(980)$ resonance production in pp collisions with the ALICE detector at the LHC. Nuclear Physics A, 2019, 982, 201-203.	1.5	1
22	Heavy-flavour hadron decay leptons in Pb-Pb and Xe-Xe collisions at the LHC with ALICE. Nuclear Physics A, 2019, 982, 651-654.	1.5	1
23	The evolution of the near-side peak in two-particle number and transverse momentum correlations in Pb-Pb collisions from ALICE. Nuclear Physics A, 2019, 982, 363-366.	1.5	0
24	Non-linear flow modes of identified particles in Pb-Pb collisions at $s_{NN}=5.02\text{TeV}$ with the ALICE detector. Nuclear Physics A, 2019, 982, 383-386.	1.5	0
25	ALICE results on system-size dependence of charged-particle multiplicity density in p-Pb, Pb-Pb and Xe-Xe collisions. Nuclear Physics A, 2019, 982, 279-282.	1.5	4
26	Energy dependence of $\bar{\Lambda}(1020)$ production at mid-rapidity in pp collisions with ALICE at the LHC. Nuclear Physics A, 2019, 982, 180-182.	1.5	18
27	Testing the system size dependence of hydrodynamical expansion and thermal particle production with $\bar{\Lambda}$, K, p, and $\bar{\Lambda}$ in Xe-Xe and Pb-Pb collisions with ALICE. Nuclear Physics A, 2019, 982, 427-430.	1.5	16
28	Dielectron measurements in pp and Pb-Pb collisions with ALICE at the LHC. Nuclear Physics A, 2019, 982, 779-782.	1.5	2
29	Electroweak boson measurements in p-Pb and Pb-Pb collisions at $s_{NN}=5.02\text{TeV}$ with ALICE at the LHC. Nuclear Physics A, 2019, 982, 783-786.	1.5	0
30	Muon physics at forward rapidity with the ALICE detector upgrade. Nuclear Physics A, 2019, 982, 947-950.	1.5	1
31	Pion-kaon femtoscopy in Pb-Pb collisions at $s_{NN}=2.76\text{TeV}$ measured with ALICE. Nuclear Physics A, 2019, 982, 351-354.	1.5	0
32	Energy and system dependence of nuclear modification factors of inclusive charged particles and identified light hadrons measured in p-Pb, Xe-Xe and Pb-Pb collisions with ALICE. Nuclear Physics A, 2019, 982, 567-570.	1.5	5
33	Exploring jet profiles in Pb-Pb collisions at 5.02 TeV with the ALICE detector. Nuclear Physics A, 2019, 982, 639-642.	1.5	1
34	Direct photon elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. Nuclear Physics A, 2019, 982, 195-197.	1.5	1
35	Measurements of the chiral magnetic effect in Pb-Pb collisions with ALICE. Nuclear Physics A, 2019, 982, 543-546.	1.5	4
36	Multiplicity dependence of strangeness and hadronic resonance production in pp and p-Pb collisions with ALICE at the LHC. Nuclear Physics A, 2019, 982, 467-470.	1.5	12

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37	Open heavy-flavour production and elliptic flow in p-Pb collisions at the LHC with ALICE. Nuclear Physics A, 2019, 982, 691-694.	1.5	0
38	Addressing the hypertriton lifetime puzzle with ALICE at the LHC. Nuclear Physics A, 2019, 982, 815-818.	1.5	5
39	Investigating correlated fluctuations of conserved charges with net- \hat{I} fluctuations in Pb-Pb collisions at ALICE. Nuclear Physics A, 2019, 982, 299-302.	1.5	4
40	Quarkonium production in p-Pb collisions with ALICE. Nuclear Physics A, 2019, 982, 739-742.	1.5	1
41	Measurements of anisotropic flow and flow fluctuations in Xe-Xe and Pb-Pb collisions with ALICE. Nuclear Physics A, 2019, 982, 367-370.	1.5	2
42	Constraining production models with light (anti-)nuclei measurements in small systems with ALICE at the LHC. Nuclear Physics A, 2019, 982, 895-898.	1.5	1
43	Spin alignment measurements using vector mesons with ALICE detector at the LHC. Nuclear Physics A, 2019, 982, 515-518.	1.5	6
44	Higher moment fluctuations of identified particle distributions from ALICE. Nuclear Physics A, 2019, 982, 851-854.	1.5	7
45	Measurement of \hat{I}^+ Baryon Production in p-Pb Collisions with ALICE at the LHC. Proceedings (mdpi), 2019, 10, 19.	0.2	0
46	Direct photon production at low transverse momentum in proton-proton collisions at $\sqrt{s}=2.76$ and 8 TeV. Physical Review C, 2019, 99, .	2.9	19
47	Correlations of identified particles in p-Pb collisions at the LHC. Nuclear Physics A, 2019, 982, 299-302.	2.9	64
48	Measurement of dielectron production in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ and 5.02 TeV. Physical Review C, 2019, 99, .	2.9	14
49	Resonance production in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ and 5.02 TeV. Physical Review C, 2019, 99, .	2.9	20
50	Multiplicity dependence of light-flavor hadron production in p-Pb collisions at $\sqrt{s_{NN}}=2.76$ and 5.02 TeV. Physical Review C, 2019, 99, .	2.9	89
51	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
52	Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in p-Pb Collisions at $\sqrt{s_{NN}}=2.76$ and 5.02 TeV. Physical Review Letters, 2019, 122, 072301.	7.8	18
53	Study of J/ψ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
54	Charged jet cross section and fragmentation in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2019, 99, .	4.7	9

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55	Direct photon elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 505-518.	2.9	71
56	Dielectron and heavy-quark production in inelastic and high-multiplicity proton-proton collisions at $\sqrt{s_{NN}}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 505-518.	2.9	71
57	Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 505-518.	2.9	71
58	Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 505-518.	2.9	71
59	Production of ^4He and ^4He nuclei, and their antinuclei in collisions of ^3He nuclei, and their antinuclei in collisions of ^3He nuclei. Nuclear Physics A, 2018, 513, 1-5.	1.5	74
60	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Nuclear Physics A, 2018, 513, 1-5.	1.5	74
61	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Nuclear Physics A, 2018, 513, 1-5.	1.5	74
62	Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2018, 120, 102301.	7.8	80
63	The ALICE Transition Radiation Detector: Construction, operation, and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 881, 88-127.	1.6	17
64	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.	4.7	7
65	Neutral pion and \hat{f} meson production at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2018, 98, .	2.9	13
66	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
67	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
68	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
69	Dielectron production in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
70	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV and $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	55
71	Inclusive J/ψ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
72	Neutral pion and η meson production in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	31

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73	Inclusive J/ψ production in XeXe collisions at $\sqrt{s_{NN}}=5.44$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 419-428.		
74	ϕ meson production at forward rapidity in PbPb collisions at $\sqrt{s_{NN}}=2.76$ s NN. European Physical Journal C, 2018, 78, 1.	3.9	3
75	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
76	$\psi(2S)$ 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
77	Measurement of the inclusive J/ψ polarization at forward rapidity in pp collisions at $\sqrt{s}=8$ s. European Physical Journal C, 2018, 78, 1.	3.9	13
78	Constraints on jet quenching in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV measured by the event-activity dependence of semi-inclusive hadron-jet distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 95-113.	4.1	28
79	Azimuthally-differential pion femtoscopy relative to the third harmonic event plane in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 320-331.	4.1	1
80	Prompt and non-prompt J/ψ production and nuclear modification at mid-rapidity in PbPb collisions at $\sqrt{s_{NN}}=5.02$ s NN. European Physical Journal C, 2018, 78, 1.	3.9	16
81	Anisotropic flow in XeXe collisions at $\sqrt{s_{NN}}=5.44$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 82-95.		
82	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
83	Longitudinal asymmetry and its effect on pseudorapidity distributions in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 20-32.	4.1	4
84	First measurement of $\psi(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 372-383.		
85	Measurement of Z^0 -boson production at large rapidities in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 372-383.	4.1	24
86	Measurement of Z^0 -boson production at large rapidities in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 372-383.	4.1	7
87	Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 117, 2301.		
88	Linear and non-linear flow mode in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 117, 2301.	7.8	45
89	Kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2017, 96, .		50
90	Kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2017, 96, .		21

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91	Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at $\sqrt{s} = 0.9, 7, \text{ and } 8 \text{ TeV}$. European Physical Journal C, 2017, 77, 1.	3.9	32
92	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
93	Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ at the LHC. European Physical Journal C, 2017, 77, 1.	3.9	40