

Paola Gianotti

List of Publications by Year in descending order

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Version: 2024-02-01

387
papers

20,034
citations

8755

75
h-index

14759

127
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389
all docs

389
docs citations

389
times ranked

7849
citing authors

#	ARTICLE	IF	CITATIONS
1	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Long-range angular correlations on the near and away side in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 29-41.	7.8	659
2	Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.	1.5	486
4	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 032301.	7.8	482
5	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	2.9	465
6	Evidence for a Kaon-Bound State K^*_{pp} Produced in K^+ Absorption Reactions at Rest. Physical Review Letters, 2005, 94, 212303.	7.8	373
8	Multiplicity dependence of pion, kaon, proton and lambda production in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 725, 2138.	5.02	307
9	Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.	5.02	301
10	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
11	Production of K^* in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 012301.	7.8	270
12	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE. Physical Review C, 2013, 88, 054907.	2.9	267
13	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
14	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177.	5.02	235
15	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
16	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177.	5.02	235
17	Charmonium and e^+e^- pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2013, 73, 2617.	3.9	203
18	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

#	ARTICLE	IF	CITATIONS
19	Suppression at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 109, 072301.	7.8	194
20	Performance of the ALICE VZERO system. Journal of Instrumentation, 2013, 8, P10016-P10016.	1.2	189
21	Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 249-264.	4.1	189
22	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 708, 249-264.	4.1	188
23	Pion, kaon, and proton production in central Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 708, 249-264.	4.1	184
24	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.	7.8	182
25	Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.	4.1	180
26	The first measurement of the neutron electromagnetic form factors in the time-like region. Nuclear Physics B, 1998, 517, 3-35.	2.5	174
27	Photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2013, 111, 102301.	4.1	171
28	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2013, 111, 102301.	7.8	171
29	Suppression in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.	4.1	171
30	Direct photon production in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	4.1	163
31	Pseudorapidity Density of Charged Particles in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 754, 235-248.	4.1	156
32	Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 754, 235-248.	7.8	155
33	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622.	4.1	154
34	Technical Design Report for the Upgrade of the ALICE Inner Tracking System. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087002.	3.6	153
35	Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.	7.8	151
36	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

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37	Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.	7.8	148
38	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
39	Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.	7.8	138
40	Centrality dependence of particle production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2015, 91, .	2.9	135
41	Neutral pion and η meson production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2015, 91, .	4.1	133
42	Multiplicity dependence of the average transverse momentum in pp, p+Pb, and Pb+Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.	4.1	130
43	Multiplicity dependence of the average transverse momentum in pp, p+Pb, and Pb+Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	130
44	Multiparticle azimuthal correlations in p+Pb and Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, .	2.9	130
45	Production of light nuclei and anti-nuclei in p+Pb and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .	2.9	129
46	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
47	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
48	Rapidity and transverse momentum dependence of inclusive η production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2015, 91, .	4.1	115
49	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
50	Production of $\Lambda(892)^0$ and $\bar{\Lambda}(1020)$ in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
51	Multi-strange baryon production in p+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, .	2.9	111
52	Measurement of jet suppression in central Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14.	2.9	105
53	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
54	Azimuthal anisotropy of D^0 -meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 90, .	2.9	101

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55	Photoproduction off Protons in Ultraperipheral Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	100
56	Polarization in Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	99
57	Particle-Yield Modifications in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	97
58	Upgrade of the ALICE Experiment: Letter Of Intent. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087001.	3.6	97
59	Production of Muons from Heavy Flavor Decays at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	96
60	Measurement of Prompt Meson Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	94
61	Production of Λ and $\bar{\Lambda}$ in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	4.1	93
62	Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	4.1	93
63	Suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 720-735.	4.1	92
64	First measurement of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 720-735.	4.1	90
65	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
66	Production of K_S^0 and ϕ (1020) in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 245.	3.9	89
67	Inclusive production of Λ and $\bar{\Lambda}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	4.1	88
68	Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	88
69	Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	4.7	87
70	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, 108, 092301.	4.7	86
71	Production of Λ and $\bar{\Lambda}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	4.7	86
72	Production of Λ and $\bar{\Lambda}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 95, .	2.9	86

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73	First results on ^{12}C production at DAΦNE. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 622, 35-44.	4.1	84
74	Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 319-329.	4.1	82
75	Measurement of an Excess in the Yield of Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	7.8	80
76	Measurement of an Excess in the Yield of Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	7.8	77
77	Neutral pion production at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	72
78	Technical design report for the ANDA (AntiProton Annihilations at Darmstadt) Straw Tube Tracker. European Physical Journal A, 2013, 49, 1.	2.5	71
79	Production of deuterons, tritons, ^3He nuclei, and their antinuclei in collisions at $\sqrt{s_{NN}} = 3$ TeV. Physical Review Letters, 2012, 108, 042501.	2.9	71
80	Evidence for Heavy Hyperhydrogen ^6H . Physical Review Letters, 2012, 108, 042501.	7.8	70
81	Heavy flavour decay muon production at forward rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 262-272.	4.1	68
82	Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 722, 262-272.	7.8	69
83	Measurement of the differential cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 262-272.	4.1	68
84	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	68
85	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 772, 567-577.	7.8	68
86	Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 722, 262-272.	7.8	67
87	Measurement of the differential cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 262-272.	4.1	67
88	Measurement of the differential cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 77-85.	4.1	66
89	Antiproton Slowing Down in H_2 and He and Evidence of Nuclear Stopping Power. Physical Review Letters, 1995, 74, 371-374.	7.8	64
90	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.	3.9	62

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91	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s}=7$ s = 7 $\hat{\text{A}}\text{TeV}$. European Physical Journal C, 2017, 77, 1.	3.9	62
92	Event-by-event mean $\langle p_T \rangle$ fluctuations in pp and Pb-Pb collisions at the LHC. European Physical Journal C, 2014, 74, 1.	3.9	61
93	Production of inclusive π^0 and η in pA-Pb collisions at $\sqrt{s}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 68-80.	4.1	60
94	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
95	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s}=5.02$ TeV. Physical Review Letters, 2013, 111, 232302.	7.8	58
96	Transverse momentum dependence of inclusive primary charged-particle production in pA-Pb collisions at $\sqrt{s}=5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	58
97	New measurements of the annihilation cross section at very low energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 461, 405-412.	4.1	57
98	Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 13-23.	4.7	57
99	A study of the proton spectra following the capture of in ^6Li and ^{12}C with FINUDA. Nuclear Physics A, 2006, 775, 35-50.	1.5	56
100	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 151-162.	4.1	56
101	Measurement of the electromagnetic form factor of the proton in the time-like region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 431-434.	4.1	55
102	Measurement of prompt J/ψ 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
103	Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 13-23.	4.1	51
104	Two- and three-pion quantum statistics correlations in Pb-Pb collisions at $\sqrt{s}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 773, 151-162.	4.1	51
105	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
106	Linear and non-linear flow mode in Pb-Pb collisions at $\sqrt{s}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 68-80.	4.1	50
107	Energy dependence of forward-rapidity $\langle p_T \rangle$ and $\langle p_T^2 \rangle$ production in pp collisions at the LHC. European Physical Journal C, 2017, 77, 392.	3.9	50
108			

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109	Measurement of charged jet production cross sections and nuclear modification in pA-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.1	49
110	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
111	Hypernuclear spectroscopy with K^+ production in ^7Li , ^9Be , ^{13}C and ^{16}O . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 698, 219-225.	4.1	47
112	Production of mesons in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 267-279.	2.9	47
113	Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 267-279.	4.1	46
114	One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 92, .	2.9	46
115	Light vector meson production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 557-568.	4.1	45
116	Freeze-out radii extracted from three-pion cumulants in pp, pA and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 139-151.	4.1	45
117	Forward-central two-particle correlations in pA-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 126-139.	4.1	45
118	Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 242301.	7.8	45
119	Antiproton stopping power in hydrogen below 120 keV and the Barkas effect. Physical Review A, 1993, 47, 4517-4520.	2.5	44
120	and annihilation cross sections at very low energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 461, 413-416.	4.1	44
121	New results on mesonic weak decay of p-shell Λ -hypernuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 139-146.	4.1	44
122	J/ψ 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
123	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	2.6	44
124	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, .	2.9	44
125	Λ^0 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

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127	$\tilde{\eta}$ and $\tilde{\eta}'$ meson production in annihilation and the OZI rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 237-243.	4.1	41
128	Precision measurement of the mass difference between light nuclei and anti-nuclei. Nature Physics, 2015, 11, 811-814.	16.7	41
129	First observation of the hyper superheavy hydrogen. Nuclear Physics A, 2012, 881, 269-287.	1.5	40
130	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
131	Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	40
132	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.		40
133	Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV at the LHC. European Physical Journal C, 2017, 77, 1.	3.9	40
134	Meson spectroscopy with antineutrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 287, 368-374.	4.1	39
135	Two-pion femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.	2.9	39
136	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 184.	3.9	39
137	First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 249-264.	4.1	39
138	$\tilde{\eta}$ decay to η in annihilation at rest. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 187-198.	4.1	38
139	Coherent $\rho(770)$ photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 258-270.		38
140	Rapidity and transverse-momentum dependence of the inclusive J/ψ nuclear modification factor in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
141	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
142	PANDA Phase One. European Physical Journal A, 2021, 57, 1.	2.5	38
143	First measurement of the neutron electromagnetic form factor in the time-like region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 313, 283-287.	4.1	37
144	Determination of $\tilde{\eta}$ scattering lengths from measurement of $\tilde{\eta}$ atom lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 24-29.		37

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145	Proton spectra from Non-Mesonic Weak Decay of p-shell $\hat{\nu}$ -hypernuclei and evidence for the two-nucleon induced process. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 685, 247-252.	4.1	36
146	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.	4.7	36
147	Measurement of transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 94, 014907.	3.9	36
148	Centrality dependence of pion freeze-out radii in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 014907.	3.9	36
149	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1385)^{\pm}$. <i>European Physical Journal C</i> , 2017, 77, 389.	3.9	36
150	Charged jet cross sections and properties in proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. <i>Physical Review D</i> , 2015, 91, 014004.	4.7	35
151	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.	4.7	35
152	DIRAC: A high resolution spectrometer for pionium detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 515, 467-496.	1.6	34
153	π^0 and η meson production in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	34
154	Multiplicity dependence of jet-like two-particle correlation structures in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 741, 38-50.	4.1	33
155	Differential studies of inclusive J/ψ and $\Upsilon(2S)$ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	33
156	Measurement of electrons from heavy-flavour hadron decays in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 754, 81-93.	4.1	33
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161	Measurement of the total $e^+e^- \rightarrow \hat{\alpha}^+ \hat{\alpha}^- N$ threshold. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 365, 427-430.	4.1	31
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165	Feasibility studies of time-like proton electromagnetic form factors at $\sqrt{s_{\text{P}}} \hat{=}$ ANDA at FAIR. European Physical Journal A, 2016, 52, 1.	2.5	31
166	Centrality dependence of charged jet production in p-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 271.	3.9	31
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170	Coherent $\bar{\Lambda}^0$ 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
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178	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
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184	Charged kaon femtoscopic correlations in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2016, 93, 034907.	4.7	27
185	Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, 034907.	4.7	27
186	Search for weakly decaying $\Lambda(1520)$ in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2016, 93, 034907.	4.1	27
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194	Antineutron-proton total cross section from 50 to 400 MeV/c. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 378-385.	4.1	24
195	Suppression of $\bar{\Lambda}(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	24
196	Measurement of the production of high-pT 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.	4.1	24
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202	Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 717, 151-161.	4.1	23
203	Azimuthal anisotropy of charged jet production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 41-56.	4.1	23
204	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. <i>European Physical Journal C</i> , 2017, 77, 245.	4.1	23
205	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	23
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267	Measurement of D-meson production versus multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
268	Evolution of the longitudinal and azimuthal structure of the near-side jet peak in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, .	2.9	10
269	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10
270	A study of pontecorvo reactions in antiproton deuterium annihilations at rest. Il Nuovo Cimento A, 1994, 107, 2837-2852.	0.2	9

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272	Measurements of the reaction $p\bar{p} \rightarrow \pi^+\pi^-\pi^0$ of antiproton annihilation at rest at three hydrogen target densities. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 432, 427-435.	4.1	9
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287	Study of two-body non-mesonic decays of light hypernuclei with FINUDA. Nuclear Physics A, 2010, 835, 439-442.	1.5	7
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297	Inclusive ψ production at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	6
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