

# Elena Botta

## List of Publications by Year in descending order

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Version: 2024-02-01

405  
papers

16,709  
citations

14614

66  
h-index

24179

110  
g-index

406  
all docs

406  
docs citations

406  
times ranked

7147  
citing authors

#	ARTICLE	IF	CITATIONS
1	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	561
2	Production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	1.1	465
3	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	6.5	399
4	Evidence for a Kaon-Bound State Produced in Absorption Reactions at Rest. Physical Review Letters, 2005, 94, 212303.	2.9	373
5	Multiplicity dependence of pion, kaon, proton and lambda production 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	307
6	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
7	Production 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.	2.9	270
8	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE. Physical Review C, 2013, 88, 014901.	1.1	267
9	Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 216-227.	5.02	235
10	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.	5.02	210
11	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.	1.4	203
12	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.	1.4	202
13	Production of charged pions, kaons and protons at large transverse momenta in pp and 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	189
14	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 252301.	2.9	184
15	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.	2.9	182
16	Production of charged pions, kaons and protons at large transverse momenta in pp and 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	180
17	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 102301.	1.5	171
18	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 102301.	2.9	171

#	ARTICLE	IF	CITATIONS
19	Centralities, rapidity and transverse momentum dependence of $\Lambda$ production in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	1.5	171
20	Direct photon production in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	2.76	163
21	Collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	2.9	155
22	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622.	2.9	154
23	Collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622.	2.9	151
24	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	1.4	149
25	Anisotropic Flow of Charged Particles in Pb-Pb Collisions at the LHC. Physical Review Letters, 2016, 116, 132302.	2.9	148
26	Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at the LHC. Physical Review Letters, 2016, 117, 182301.	2.9	138
27	Production of $\Lambda$ and $\bar{\Lambda}$ in Pb-Pb collisions at the LHC. Physical Review Letters, 2015, 91, 111301.	1.1	135
28	Production of $\Lambda$ and $\bar{\Lambda}$ in Pb-Pb collisions at the LHC. Physical Review Letters, 2015, 91, 111301.	1.1	135
29	Multiplicity dependence of the average transverse momentum in pp, pPb, and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	1.5	130
30	Multiparticle azimuthal correlations in Pb-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, .	1.1	130
31	Production of light nuclei and anti-nuclei in Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .	1.1	129
32	Production of $\Sigma(1385)^+$ and $\Sigma(1385)^0$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 1.	1.4	125
33	Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	118
34	Multi-strange baryon production in p-Pb collisions at the LHC. Physical Review Letters, 2015, 95, 389-401.	1.5	111
35	Production of $\Lambda$ and $\bar{\Lambda}$ in Pb-Pb collisions at the LHC. Physical Review Letters, 2015, 91, 111301.	1.1	110
36	Measurement of jet suppression in central Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14.	1.5	105

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37	Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. European Physical Journal C, 2013, 73, 2662.	1.4	101
38	Azimuthal anisotropy of $D$ -meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054002.	1.1	101
39	Photoproduction off Protons in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 022301.	2.9	100
40	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, 1.	1.6	97
41	Meson Production in $Pb-Pb$ Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054002.	2.9	94
42	Observation of Spin-Dependent Charge Symmetry Breaking in $\gamma$ -Ray Spectroscopy of $^4\text{He}$ . Physical Review Letters, 2016, 116, 022301.	2.9	93
43	Momentum in $p$ -Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054002.	1.5	93
44	$J/\psi$ suppression at forward rapidity in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054002.	1.5	92
45	Measurement of quarkonium production at forward rapidity in $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2974.	1.4	89
46	Production of $K^0_S$ and $\phi$ (1020) in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 245.	1.4	89
47	Multiplicity dependence of light-flavor hadron production in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, 054907.	1.1	89
48	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.	1.6	88
49	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 C, 2011, 83, 054002.	1.1	87
50	and $D$ -meson production at high transverse momentum in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 83, 054002.	1.1	86
51	First results on $^{12}\text{C}$ production at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 622, 35-44.	1.5	84
52	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.	1.5	82
53	$D$ -Meson Azimuthal Anisotropy in Midcentral $Pb-Pb$ Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 102301.	2.9	80
54	Strangeness nuclear physics: a critical review on selected topics. European Physical Journal A, 2012, 48, 1.	1.0	79

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55	Measurement of an Excess in the Yield of $\Lambda$ Hypernuclei at Very Low Energy. <i>Physical Review Letters</i> , 2018, 120, 012301.	2.9	77
56	Anisotropic flow in Xe+Xe collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 784, 82-95.	2.9	77
57	Production of deuterons, tritons, and their antinuclei in collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 784, 82-95.	0.6	74
58	Neutral pion production at midrapidity in pp and Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	72
59	Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. <i>Physical Review Letters</i> , 2020, 125, 012301.	2.9	72
60	Production of deuterons, tritons, and their antinuclei in collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 784, 82-95.	1.1	71
61	Evidence for Heavy Hyperhydrogen Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2012, 108, 042501.	2.9	70
62	Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2012, 108, 042501.	2.9	69
63	Measurement of Charged Jet Suppression in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 722, 262-272.	1.5	68
64	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	68
65	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 567-577.	1.5	67
66	Suppression of $\Lambda$ Hypernuclei 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> , 2017, 772, 567-577.	1.5	67
67	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> , 2019, 788, 166-179.	1.5	66
68	$p\bar{p}$ , $p$ annihilation cross section at very low energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 369, 77-85.	1.5	66
69	First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. <i>Physical Review Letters</i> , 2019, 123, 112002.	2.9	66
70	Antiproton Slowing Down in H <sub>2</sub> and He and Evidence of Nuclear Stopping Power. <i>Physical Review Letters</i> , 1995, 74, 371-374.	2.9	64
71	Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 567-577.	2.9	64
72	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 567-577.	1.1	64

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73	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to $8\hat{\text{A}}\text{TeV}$ . European Physical Journal C, 2017, 77, 1.	1.4	62
74	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7\hat{\text{A}}\text{TeV}$ . European Physical Journal C, 2017, 77, 1.	1.4	62
75	Centrality and pseudorapidity dependence of the charged particle multiplicity density in Xe-Xe collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 35-48.	1.5	62
76	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.	1.4	61
77	Production of inclusive $\Lambda(1520)$ and $\Lambda(2280)$ in pA-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 151-162.	1.5	60
78	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2013, 111, 232302.	2.9	58
79	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.	1.4	58
80	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.	1.5	57
81	A study of the proton spectra following the capture of $^6\text{Li}$ and $^{12}\text{C}$ with FINUDA. Nuclear Physics A, 2006, 775, 35-50.	0.6	56
82	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 151-162.	1.5	56
83	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s} = 5.02$ and $2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	55
84	Global polarization of $\Lambda$ and $\Sigma$ hyperons in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2013, 111, 232302.	1.1	55
85	Measurement of $D^0$ , $D^+$ , $D^{*+}$ and $D^s$ production in Pb-Pb collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	54
86	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.	1.5	51
87	Two- and three-pion quantum statistics correlations in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 89, 014907.	1.1	51
88	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.	1.6	50
89	Linear and non-linear flow mode in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 68-80.	1.5	50
90			

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91	Energy dependence of forward-rapidity $\psi(\eta)/\psi(\eta + \Delta\eta)$ and $\psi(2S)/\psi(\eta - 2S)$ production in pp collisions at the LHC. European Physical Journal C, 2017, 77, 392. Correlated b-d pairs from the $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" measurement of charged-particle production/cross-sections and nuclear modification in pA-Pb collisions at \sqrt{s_{NN}} = 2.76 TeV. Journal of High Energy Physics, 2015, 2015, 1.$	1.4	50
92	Measurement of charged-particle 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.	1.5	49
93	Measurement of charged-particle 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.	1.5	49
94	Charged-particle production as a function of multiplicity and transverse spherocity in pp collisions at $\sqrt{s} = 5.02$ and $13.6$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	49
95	Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC. Physical Review Letters, 2020, 125, 022301.	2.9	49
96	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $s_{NN} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	48
97	Hypernuclear spectroscopy with $K^+ \Lambda$ and $K^+ \Sigma^0$ at rest on ${}^7\text{Li}$ , ${}^9\text{Be}$ , ${}^{13}\text{C}$ and ${}^{16}\text{O}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 359, 219-225.	1.5	47
98	Production of $D$ 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.	1.1	47
99	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.	1.5	46
100	One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 92, .	1.1	46
101	On the binding energy and the charge symmetry breaking in $A \approx 16$ $\Lambda$ -hypernuclei. Nuclear Physics A, 2017, 960, 165-179.	0.6	46
102	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.	1.5	45
103	Forward-central two-particle correlations in pA-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 753, 126-138.	1.5	45
104	Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 242301.	2.9	45
105	and annihilation cross sections at very low energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 461, 413-416.	1.5	44
106	New results on mesonic weak decay of p-shell $\Lambda$ -hypernuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 139-146.	1.5	44
107	$J/\psi$ production and nuclear effects in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	44
108	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	1.2	44

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109	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, .		
110	Measurement of $\langle \mathbf{D}^0 \rangle$ , $\langle \mathbf{D}^+ \rangle$ , $\langle \mathbf{D}^{*+} \rangle$ and $\langle \mathbf{D}^+_{s1} \rangle$ production in pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1.	1.4	43
111	Beam and SKS spectrometers at the K1.8 beam line. Progress of Theoretical and Experimental Physics, 2012, 2012, .	1.8	42
112	$\hat{\Gamma}^+$ 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.	1.6	42
113	$\hat{\Gamma}^+$ and $\hat{\Gamma}^0$ meson production in annihilation and the OZI rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 237-243.	1.5	41
114	First observation of the hyper superheavy hydrogen. Nuclear Physics A, 2012, 881, 269-287.	0.6	40
115	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.	1.6	40
116	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
117	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.	1.4	40
118	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
119	Two-pion femtoscopy in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	1.1	39
120	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 184.	1.4	39
121	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.	1.5	39
122	Production of $\hat{\Gamma}^+$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370.		39
123	Decay of $\hat{\Gamma}^+$ in annihilation at rest. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 187-198.	1.5	38
124	Coherent $\hat{\Gamma}^+(2S)$ 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, 358-370.		38
125	Rapidity and transverse-momentum dependence of the inclusive $J/\psi$ nuclear modification factor in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	38
126	Measurement of $\langle \mathbf{D}^0 \rangle$ production in pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.		38



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127	Multiplicity dependence of $\pi^0$ , K, and p production in pp collisions at $\sqrt{s} = 13.8$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	38
128	Evidence of rescattering effect in Pb-Pb collisions at the LHC through production of K $^*$ mesons. Physical Review Letters, 2020, 125, 1.	1.4	38
129	Coherent J/ψ 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, 2020, 811, 135849.	1.5	37
130	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
131	Proton spectra from Non-Mesonic Weak Decay of p-shell $\Lambda$ -hypernuclei and evidence for the two-nucleon induced process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 685, 247-252.	1.5	36
132	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.	1.6	36
133	Measurement of transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, 014907.	1.6	36
134	Centrality dependence of pion freeze-out radii in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, 014907.	1.6	36
135	Production of $\Sigma(1385)^{\pm}$ hypernuclei. European Physical Journal C, 2017, 77, 389.	1.4	36
136	Investigation of the $\Lambda$ -N interaction via femtoscopy in pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135419.	1.5	36
137	Charged jet cross sections and properties in proton-proton collisions at $\sqrt{s} = 13.8$ TeV. Physical Review D, 2015, 91, 074011.	1.6	35
138	Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	35
139	Direct photon elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, 014907.	1.6	35
140	Global baryon number conservation encoded in net-proton 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
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151	Measurement of the proton spectra from non-mesonic weak decay of $^5\text{He}$ , $^7\text{Li}$ and $^{12}\text{C}$ . Nuclear Physics A, 2008, 804, 151-161.	0.6	31
152	Mid-rapidity anti-baryon to baryon ratios in pp collisions at $\sqrt{s}=0.9, 2.76$ and $7$ TeV measured by ALICE. European Physical Journal C, 2013, 73, 1.	1.4	31
153	Centrality dependence of charged jet production in pA-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. European Physical Journal C, 2016, 76, 271.	1.4	31
154	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.	1.4	31
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158	Coherent $\pi^0$ photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
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175	Exotic bound states in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 794, 294-304.	1.5	27
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201	Production of $\eta(548)$ in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135501.	1.5	22
202	Study of the $\eta(1500)/\eta(1565)$ production in the exclusive annihilation $\bar{p}p \rightarrow \eta + \pi^0$ in flight. Physical Review D, 1998, 57, 55-66.	1.6	21
203	Evidence for two pseudoscalar states in the 1.4-1.5 GeV mass region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 462, 453-461.	1.5	21
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255	First determination of the one-proton induced Non-Mesonic Weak Decay width of p-shell $\Lambda$ -Hypernuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 499-504.	1.5	13
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258	Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	13
259	Neutral pion and $\Lambda$ meson production at midrapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. <i>Physical Review C</i> , 2018, 98, .	1.1	13
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263	Hypernuclear weak decay studies with FINUDA. <i>Nuclear Physics A</i> , 2012, 881, 322-338.	0.6	12
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279	Performance of a large area drift chamber operating with a He–iC4H10 mixture. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 367, 100-103.	0.7	10
280	FINUDA and hypernuclei production at DAΦNE. Nuclear Physics A, 1995, 585, 271-277.	0.6	10
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285	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ hbox {TeV} and p–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ hbox {TeV}. European Physical Journal C, 2020, 80, 1.	1.4	10
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297	First results from the FINUDA experiment. Nuclear Physics A, 2005, 752, 139-144.	0.6	8
298	Study of the performance of HPGe detectors operating in very high magnetic fields. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 606, 560-568.	0.7	8
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