

Marcello Borri

List of Publications by Year in descending order

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Version: 2024-02-01

291
papers

14,087
citations

17440

63
h-index

36028

97
g-index

295
all docs

295
docs citations

295
times ranked

8662
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	16.7	399
2	Improved luminosity determination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362
3	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	3.9	268
4	Production and integration of the ATLAS Insertable B-Layer. Journal of Instrumentation, 2018, 13, T05008-T05008.	1.2	260
5	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	3.9	213
6	Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	3.9	209
7	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.	3.9	204
8	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	7.8	182
9	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	175
10	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
11	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 226.	3.9	149
12	Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector at the LHC. Physical Review Letters, 2016, 116, 132302.	7.8	148
13	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	145
14	Measurement of the $t\bar{t}$ production cross-section using b -tagged jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	3.9	143
15	Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector at the LHC. Physical Review Letters, 2016, 117, 182301.	7.8	138
16	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	137
17	Centrality dependence of particle production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector at the LHC. Physical Review C, 2015, 91, 054907.	2.9	135
18	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131

#	ARTICLE	IF	CITATIONS
19	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	4.7	128

20	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	126
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#	ARTICLE	IF	CITATIONS
37	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
38	Multiplicity dependence of light-flavor hadron production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, .	2.9	89
39	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
40	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
41	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
42	and ϕ (1020) meson production at high transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 95, .	2.9	86
43	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	82
44	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	81
45	Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 102301.	7.8	80
46	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
47	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	3.9	77
48	Measurement of an Excess in the Yield of ϕ (1020) at Very Low p_T in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.	7.8	77
49	Production of ϕ (1020) mesons in pp collisions at $\sqrt{s} = 5.44$ TeV. Physics Letters Section B: Nuclear, Elementary Particle and High Energy Physics, 2019, 784, 82-85.	7.8	77
50	Search for resonant diboson production in the $q\bar{q} \rightarrow \phi \rightarrow q\bar{q}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
51	Production of ϕ (1020) mesons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.	1.5	74
52	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
53	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	71
54	Production of deuterons, tritons, ^3He and ^4He nuclei, and their antinuclei in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	2.9	71

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55	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 303.	3.9	70
56	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	3.9	68
57	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 166-179.	4.1	68
58	Transverse momentum spectra and nuclear modification factors of charged particles in Xe+Xe collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 166-179.	4.1	67
59	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	66
60	First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. Physical Review Letters, 2019, 123, 112002.	7.8	66
61	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	64
62	Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in $\sqrt{s_{NN}} = 2.76$ TeV Pb+Pb Collisions at the LHC. Physical Review Letters, 2019, 123, 142301.	7.8	64
63	Study of the ρ - ρ interaction with femtoscopy correlations in $\sqrt{s_{NN}} = 2.76$ TeV Pb+Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 35-48.	4.1	64
64	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	2.9	64
65	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
66	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
67	Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe+Xe collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 35-48.	4.1	62
68	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\tilde{\chi}^0$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61
69	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	61
70	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
71	Production of inclusive $\tilde{\chi}^0(1S)$ and $\tilde{\chi}^0(2S)$ in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 105-117.	4.1	60
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#	ARTICLE	IF	CITATIONS
73	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s}=8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
74	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60
75	Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
76	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	59
77	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
78	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
79	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
80	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
81	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	55
82	Search for direct top squark pair production in events with a Z boson, b-jets and missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	3.9	55
83	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	55
84	Global polarization of hyperons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	2.9	55
85	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
86	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
87	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
88	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb^{-1} of $\sqrt{s}=7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
89	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
90	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52

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91	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
92	Measurement of the top quark mass with the template method in the $\text{Star}\{t\}$ $\text{omathrm}\{\text{lepton}\}+\text{mathrm}\{\text{jets}\}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	3.9	51
93	Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at $s = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	50
94	Linear and non-linear flow mode in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 68-80.	4.7	50
95	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
96	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	49
97	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	48
98	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	3.9	48
99	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.	4.7	48
100	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	47
101	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	2.9	47
102	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	3.9	46
103	One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 92, 014907.	4.7	46
104	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high-p T leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
105	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	45
106	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	3.9	45
107	Measurement of the $\text{Star}\{t\}$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	3.9	45
108	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $s = 8$ TeV with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45

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109	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
110	Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
111	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
112	Forward-central two-particle correlations in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 126-139.	4.7	45
113	Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 242301.	7.8	45
114	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	2.6	44
115	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
116	Measurement of D^0 , D^+ , D^{*+} and D^+_s production in pp collisions at $\sqrt{s} = 5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1.	3.9	43
117	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	42
118	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	3.9	42
119	b +c 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
120	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
121	Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	3.9	41
122	A search for $\overline{t}t$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	40
123	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	3.9	40
124	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	40
125	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
126	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.	4.7	40

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127	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
128	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
129	Two-pion femtoscopy in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 1.	2.9	39
130	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 184.	3.9	39
131	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
132	Search for strong production of supersymmetric particles in final states with missing/transverse momentum and at least three b-jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	38
133	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
134	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	37
135	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
136	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	3.9	36
137	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	36
138	Forward-backward multiplicity correlations in pp collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
139	Centrality dependence of pion freeze-out radii in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76, 5.02$ and 7 TeV. Physical Review C, 2016, 93, 1.	3.9	36

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145	Production of $\Sigma(1385)^{\pm}$. European Physical Journal C, 2017, 77, 389.	3.9	36
146	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
147	Measurement of the production cross section of prompt J/ψ mesons in association with a W^{\pm} boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
148	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.	4.7	35
149	Search for $W \rightarrow tb \rightarrow qqbb$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	3.9	35
150	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s}=7$ TeV using 4.5 fb $^{-1}$ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
151	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, 789, 298-302.	3.9	35
152	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
153	Multi-channel search for squarks and gluinos in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	3.9	34
154	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
155	Search for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
156	Energy dependence of exclusive ψ/ψ' photoproduction off protons in ultra-peripheral p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	34
157	Measurement of jet shapes in top-quark pair events at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	3.9	33
158	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
159	Differential studies of inclusive J/ψ and $\psi(2S)$ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	33
160	Measurement of electrons from heavy-flavour hadron decays in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 81-93.	4.7	33
161	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
162	Measurement of χ_{c1} and χ_{c2} production with $\sqrt{s}=7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32

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163	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
164	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions. European Physical Journal C, 2012, 72, 1.	3.9	31
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167	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2017, 77, 1.	3.9	31
168	Neutral pion and η meson production in p-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$. European Physical Journal C, 2018, 78, 1.	3.9	31
169	Inclusive, prompt and non-prompt J/ψ production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
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192	Measurement of the underlying event in jet events from $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	23
194	Measurement of three-jet production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 228.	3.9	23
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246	Inclusive photon production at forward rapidities in proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. European Physical Journal C, 2015, 75, 1.	3.9	12
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250	Measuring K_S^0 production as a function of charged-particle pseudorapidity density in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 121, 102301.	4.1	12
251	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
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269	Measurement of jet radial profiles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 100, 014907.	4.1	7
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279	Production of muons from heavy-flavour hadron decays in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
280	Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
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286	Measurement of the (\bar{t}) production cross-section using (emu) events with (b)-tagged jets in (pp) collisions at ($\sqrt{s} = 7$) and 8 TeV with the ATLAS detector. , 2014, 74, 1.		2
287	Azimuthally-differential pion femtoscopy relative to the third harmonic event plane in Pb-Pb 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
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