

Marisilvia Donadelli

List of Publications by Year in descending order

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572
papers

32,244
citations

3721

89
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140
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592
docs citations

592
times ranked

10634
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, .	2.9	489
2	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
3	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 292.	1.4	453
4	J/ψ Production versus Centrality, Transverse Momentum, and Rapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 232301.	2.9	430
5	Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
6	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
7	Enhanced Production of Direct Photons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2010, 104, 132301.	2.9	319
8	Scaling Properties of Azimuthal Anisotropy in Au+Au and Cu+Cu Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 162301.	2.9	307
9	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 581.	1.4	298
10	Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	1.4	279
11	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s}=7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	1.4	274
12	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
13	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
14	Dihadron azimuthal correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2008, 78, .	1.1	256
15	Enhanced Production of Direct Photons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2010, 104, 132301.	2.9	255
16	Detailed measurement of the J/ψ production and decay rates and coupling strengths using pp collision data at $\sqrt{s}=7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	1.1	254
17	Enhanced Production of Direct Photons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2011, 107, 252301.	2.9	249
18	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	1.4	248

#	ARTICLE	IF	CITATIONS
19	<p> Pole Anisotropy in Dihadron Azimuthal Correlations in Central Au-Au Collisions at $\sqrt{s} = 2.76$ TeV </p> <p> Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i>, 2015, 75, 299. </p>	2.9	246
20	<p> Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i>, 2015, 75, 299. </p>	1.4	238
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#	ARTICLE	IF	CITATIONS
37	Measurement of the ϕ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.1	170
38	Search for new high-mass phenomena in the dilepton final state using 36 fb ⁻¹ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	168
39	Measurement of the ϕ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	163
40	Production versus Transverse Momentum and Rapidity in pp Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2007, 98, 232002.	2.9	161
41	Measurement of the transverse momentum and ϕ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	1.4	154
42	Measurement of the ϕ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.1	149
43	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	146
44	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	145
45	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
46	Precision measurement and interpretation of inclusive W^+W^- production. European Physical Journal C, 2017, 77, 367.	1.4	145
47	Measurement of the $t\bar{t}$ production cross-section using e^+e^- events with b -tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	1.4	143
48	Measurement of Long-Range Angular Correlation and Quadrupole Anisotropy of Pions and (Anti)Protons in Central pp Collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physical Review Letters, 2015, 114, 192301.	2.9	143
49	Measurement of the ϕ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	2.9	140
50	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	1.4	138
51	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.	1.6	137
52	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	136
53	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 199.	1.4	132
54	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	131

#	ARTICLE	IF	CITATIONS
55	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	130
56	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.	1.6	128
57	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.	1.6	126
58	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125
59	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	1.4	123

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#	ARTICLE	IF	CITATIONS
73	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s}=2.76$ TeV and comparison to the inclusive jet cross-section at $\sqrt{s}=7$ TeV using the ATLAS detector. Cold Nuclear Matter Effects on Inclusive Jet Production Yields as a Function of Rapidity and Nuclear Geometry	1.4	105
74	Neutral pion production with respect to centrality and rapidity in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV	2.9	104
75	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.1	104
76	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	1.6	102
77	Search for heavy ZZ resonances in the $\ell\ell\ell\ell$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	1.4	101
78	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	100
79	Azimuthal Anisotropy of $\bar{c}c$ Production in Au+Au Collisions	2.9	98
80	Production of $\bar{c}c$ pairs as constrained by deuteron-gold measurements at forward rapidity	1.1	97
81	Suppression of Back-to-Back Hadron Pairs at Forward Rapidity in Au+Au Collisions	2.9	96
82	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	1.4	95
83	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	1.4	95
84	Quantitative constraints on the transport properties of hot partonic matter from semi-inclusive single high transverse momentum pion suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2013, 111, 202301.	1.1	93
85	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
86	Nuclear Modification of $\bar{c}c$, $\bar{t}t$, and J/ψ Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2013, 111, 202301.	2.9	92
87	Measurements of the WW production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	1.4	92
88	Search for Higgs boson pair production in the $\bar{b}b b \bar{b}$ final state from pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	1.4	90
89	Search for the $b \bar{b} \bar{b} \bar{b}$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	89

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91	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.	1.6	88
92	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.	1.6	88
93	Search for production of Charged Hadrons in Au-Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2010, 105, 062301.	2.9	87
94	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87
95	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	1.4	86
96	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	84
97	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.	1.6	82
98	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	82
99	Search for production of Heavy-Quark Production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	81
100	Search for production of Heavy-Quark Production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	2.9	81
101	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.	1.6	81
102	Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	1.4	81
103	Search for dark matter at $\sqrt{s} = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	1.4	80
104	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	1.4	79
105	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	1.4	79
106	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	1.4	79
107	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
108	Transverse energy production and charged-particle multiplicity at midrapidity in various systems from Au-Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2016, 93, .	1.1	78

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109	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
110	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.	1.4	77
111	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13\text{ TeV}$. European Physical Journal C, 2019, 79, 1.	1.4	77
112	Angular analysis of $B_0 \rightarrow K^* \ell^+ \ell^-$ decays in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
113	Measurement of the production cross section of $pp \rightarrow \text{mesons} + \text{mesons}$ in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.5	75
114	Nuclear modification factors of $pp \rightarrow \text{mesons} + \text{mesons}$ in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.1	75
115	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
116	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s}=5.02\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	1.4	75
117	Search for resonant diboson production in the $pp \rightarrow \text{mesons} + \text{mesons}$ final state in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
118	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	73
119	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
120	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	1.4	73
121	Azimuthally anisotropic emission of low-momentum direct photons in Au + Au collisions at $\sqrt{s}=2.76\text{ TeV}$. Physical Review C, 2016, 94, 014907.	1.1	73
122	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	1.4	73
123	Gluon-Spin Contribution to the Proton Spin from the Double-Helicity Asymmetry in Inclusive Production in Polarized pp Collisions at $\sqrt{s}=200\text{ GeV}$. Physical Review Letters, 2009, 103, 012003.	2.9	72
124	Search for supersymmetry at $\sqrt{s}=13\text{ TeV}$ in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.	1.4	72
125	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8\text{ TeV}$ proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	71
126	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	71

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127	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	71
128	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	1.4	71
129	Onset of ρ Suppression Studied in Cu+Cu Collisions at $\sqrt{s_{NN}}=22.4, 62.4,$ and 200 GeV. Physical Review Letters, 2008, 101, 162301.	2.9	70
130	Measurement of Bottom Versus Charm as a Function of Transverse Momentum with Electron-Hadron Correlations in $\sqrt{s}=8$ TeV Collisions at the ATLAS Experiment. Physical Review D, 2012, 85, .	2.9	70
131	Measurement of Bottom Versus Charm as a Function of Transverse Momentum with Electron-Hadron Correlations in $\sqrt{s}=8$ TeV Collisions at the ATLAS Experiment. Physical Review D, 2012, 85, .	1.6	70
132	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.	1.4	70
133	Search for resonances in diphoton events at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	70
134	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-, \tau^+ \tau^0$ in fully hadronic final states using pp collision data at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
135	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.	1.4	68
136	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
137	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	1.4	67
138	Measurement of higher cumulants of net-charge multiplicity distributions in $\sqrt{s}=8$ TeV collisions at the ATLAS experiment. Physical Review C, 2016, 93, .	1.1	67
139	Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	67
140	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.	1.6	66
141	A search for $t \bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	66
142	A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	1.4	66
143	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
144	Centrality categorization for $R_p(d)+A$ in high-energy collisions. Physical Review C, 2014, 90, .	1.1	65

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145	Measurement of the $W \rightarrow \nu_e \bar{\nu}_e$ and $Z \rightarrow \nu_e \bar{\nu}_e$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1. Deviation from quark number scaling of the anisotropy parameter	1.6	64
146	Production of pions, kaons, and protons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2008, 100, 112301.	1.1	64
147	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.	1.6	64
148	Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	1.4	64
149	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
150	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	64
151	Charged-particle multiplicity fluctuations in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2008, 100, 112301.	1.1	63
152	Transverse momentum dependence of J/ψ polarization at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2008, 100, 112301.	1.6	63
153	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.6	63
154	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.4	63
155	Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2008, 100, 112301.	1.1	62
156	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
157	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.	1.4	62
158	Transition in Yield and Azimuthal Shape Modification in Dihadron Correlations in Relativistic Heavy Ion Collisions. Physical Review Letters, 2010, 104, 252301.	2.9	61
159	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ γ^3 couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
160	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.	1.4	61
161	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	1.4	61
162	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	1.4	61

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163	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s} = 5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
164	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	1.4	61
165	Proton-hadron jet correlations in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 142.	1.1	60
166	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	1.4	60
167	Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
168	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.	1.6	60
169	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} / d\bar{d} / e^+e^- / \mu^+\mu^- / \tau^+\tau^-$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	1.4	60
170	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.	1.4	60
171	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	1.4	60
172	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.	1.4	59
173	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.	1.6	59
174	Transverse-momentum dependence of the nuclear modification factor in d -Au collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2018, 78, 142.	1.1	59
175	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.	1.6	59
176	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.	1.6	59
177	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	1.4	59
178	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+\tau^-$, $H \rightarrow \tau^+\tau^- + \text{jets}$ and $H \rightarrow \tau^+\tau^- + \text{lepton}$ final states with 36 fb $^{-1}$ of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	59
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472	Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	13
473	Search for anomalous couplings in the Wtb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1-46.	1.6	13
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477	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	12
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