

Claudia Glasman

List of Publications by Year in descending order

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Version: 2024-02-01

659
papers

32,090
citations

5782

84
h-index

12940

136
g-index

668
all docs

668
docs citations

668
times ranked

10867
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
2	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
3	Combined measurement and QCD analysis of the inclusive $e^{\pm} p$ scattering cross sections at HERA. Journal of High Energy Physics, 2010, 2010, 1.	1.6	458
4	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2016, 76, 292.	1.4	453
5	A Large Hadron Electron Collider at CERN Report on the Physics and Design Concepts for Machine and Detector. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 075001.	1.4	406
6	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.	1.4	362
7	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
8	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 581.	1.4	298
9	Luminosity determination in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	1.4	279
10	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
11	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.	1.4	268
12	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
13	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
14	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	1.4	238
15			

#	ARTICLE	IF	CITATIONS
19	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.	1.4	209
20	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.	1.4	204
21	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s}=8\text{ TeV}$ in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	1.4	197
22	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2018, 78, 903.	1.4	181
23	Luminosity determination in pp collisions at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	179
24	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.	1.6	175
25	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	1.4	174
26	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	1.4	172
27	Search for new high-mass phenomena in the dilepton final state using 36 fb^{-1} of proton-proton collision data at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	168
28	Exclusive electroproduction of J/ψ mesons at HERA. Nuclear Physics B, 2004, 695, 3-37.	0.9	164
29	Evidence for a narrow baryonic state decaying to $K\text{Sp}$ and $K\text{Sp}^*$, in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 7-22.	1.5	162
30	Measurement of the proton structure function F_2 at very low Q^2 at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 53-73.	1.5	155
31	Measurement of the transverse momentum and ϕ^*_{η} distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	1.4	154
32	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2011, 71, 1.	1.4	146
33	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.	1.6	145
34	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
35	Precision measurement and interpretation of inclusive W^+W^- , W^+W^+ . European Physical Journal C, 2017, 77, 367.	1.4	145
36	Measurement of deeply virtual Compton scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 573, 46-62.	1.5	143

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37	Measurement of the $\sigma(t\bar{t})$ 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
38	ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering. Physical Review D, 2003, 67, .	1.6	139
39	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
40	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
41	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
42	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. European Physical Journal C, 2013, 73, 1.	1.4	134
43	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2018, 78, 199.	1.4	132
44	Comparison of ZEUS data with standard model predictions for $e^+p \rightarrow e^+X$ scattering at high x and Q^2 . Zeitschrift für Physik C-Particles and Fields, 1997, 74, 207-220.	1.5	131
45	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.	1.6	131
46	ATLAS b -jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2019, 79, 1.	1.4	130
47	Measurement of the proton structure function F_2 and at low and very low x at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 432-448.	1.5	129
48	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s}=8\text{ TeV}$ proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	1.6	128
49	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+\tau^-$ in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	126
50	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125
51	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	1.4	123
52	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
53			

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55	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	116
56	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	116
57	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8, \sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	1.4	115
58	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	114

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73	Measurement of elastic \bar{p} photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 437, 432-444.	1.5	94
74	Measurement of $D^*\hat{A}\pm$ production in deep inelastic $\hat{A}\pm$ scattering at DESY HERA. Physical Review D, 2004, 69, .	1.6	94
75	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
76	Measurements of the W^+W^- production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	1.4	92
77	production in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 402-418.	1.5	91
78	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	1.4	90
79	Search for the $b\bar{b}\hat{A}^-$ 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
80	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$; {ext{TeV}} pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	1.6	88
81	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
82	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87
83	Measurement of multi-particle azimuthal correlations in pp, $p\hat{A}+\hat{A}Pb$ and low-multiplicity $Pb\hat{A}+\hat{A}Pb$ collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	1.4	86
84	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
85	Inclusive jet cross sections in the Breit frame in neutral current deep inelastic scattering at HERA and determination of $\hat{A}\pm$ s. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 547, 164-180.	1.5	83
86	Exclusive electroproduction of \bar{p} mesons at HERA. Nuclear Physics B, 2005, 718, 3-31.	0.9	83
87	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	82
88	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
89	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
90	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

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91	Measurement of elastic $\pi^+\pi^-$ photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 377, 259-272.	1.5	80
92	Leading neutron production in e+p collisions at HERA. Nuclear Physics B, 2002, 637, 3-56.	0.9	80
93	Search for dark matter at $\sqrt{s}=13\text{-}\mathrm{TeV}$ 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
94	Search for single-top production in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 153-170.	1.5	79
95	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s}=8\text{-}\mathrm{TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	1.4	79
96	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
97	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13\text{-}\mathrm{TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	1.4	79
98	Measurement of the cross section for the reaction $\gamma^*p \rightarrow J/\psi p$ with the ZEUS detector at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 350, 120-134.	1.5	78
99	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s}=8\text{-}\mathrm{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
100	Study of deep inelastic inclusive and diffractive scattering with the ZEUS forward plug calorimeter. Nuclear Physics B, 2005, 713, 3-80.	0.9	77
101	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=7\text{-}\mathrm{TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
102	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
103	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s}=13\text{-}\mathrm{TeV}$. European Physical Journal C, 2019, 79, 1.	1.4	77
104	Angular analysis of $B^0 \rightarrow \pi^+ \pi^- K^*_{(1/2)} K^*_{(1/2)}$ decays in pp collisions at $\sqrt{s}=8\text{-}\mathrm{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
105	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
106	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s}=5.02\text{-}\mathrm{TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	1.4	75
107	Search for resonant diboson production in the $\ell\ell q\bar{q}$ final state in pp collisions at $\sqrt{s}=8\text{-}\mathrm{TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
108	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7\text{-}\mathrm{TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	73

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109	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.	1.6	73
110	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
111	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	1.4	73
112	Search for supersymmetry at $\sqrt{s}=13$ 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
113	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, 2013, 2013, 1.	1.6	71
114	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $s=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	71
115	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $s=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	71
116	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
117	Exclusive photoproduction of ρ mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 4-12.	1.5	70
118	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
119	Search for resonances in diphoton events at $s=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	70
120	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ 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
121	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
122	Measurement of charged-particle spectra in Pb+Pb collisions at $s_{NN}=2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
123	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
124	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
125	Dijet cross sections in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 665-680.	1.5	66
126	Exclusive ρ^0 production in deep inelastic electron-proton scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 356, 601-616.	1.5	66

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127	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
128	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
129	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
130	Inclusive-jet and dijet cross sections in deep inelastic scattering at HERA. Nuclear Physics B, 2007, 765, 1-30.	0.9	65
131	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
132	Measurement of the $W\gamma$ and $Z\gamma$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
133	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
134	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
135	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
136	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
137	Measurement of the diffractive structure function $F_2^D(4)$ at HERA. European Physical Journal C, 1998, 1, 81-96.	1.4	63
138	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
139	Measurement of the longitudinal proton structure function at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 8-22.	1.5	62
140	A QCD analysis of ZEUS diffractive data. Nuclear Physics B, 2010, 831, 1-25.	0.9	62
141	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
142	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
143	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
144	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ γ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61

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145	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	1.4	61
146	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	1.4	61
147	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8 \text{ TeV}$ proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	1.4	61
148	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
149	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
150	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
151	Summary of the searches for squarks and gluinos using $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
152	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8 \text{ TeV}$ pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
153	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} + b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	1.4	60
154	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	1.4	60
155	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	1.4	60
156	Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	59
157	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	59
158	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
159	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
160	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0 TeV . European Physical Journal C, 2018, 78, 142.	1.4	59
161	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$, in the $\tau^{\pm} + \text{jets}$ and $\tau^{\pm} + \text{lepton}$ final states with 36 fb ⁻¹ of pp collision data recorded at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	59
162	Measurement of the diffractive structure function. European Physical Journal C, 1998, 1, 81.	1.4	59

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163	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.	1.4	58
164	Deep inelastic scattering with leading protons or large rapidity gaps at HERA. Nuclear Physics B, 2009, 816, 1-61.	0.9	57
165	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
166	Diffractive hard photoproduction at HERA and evidence for the gluon content of the pomeron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 356, 129-146.	1.5	56
167	Rapidity gaps between jets in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 55-68.	1.5	56
168	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	56
169	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	1.4	56
170	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	1.4	56
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316	Dijet production in diffractive deep inelastic scattering at HERA. European Physical Journal C, 2007, 52, 813-832.	1.4	31
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403	Neutral strange particle production in deep inelastic scattering at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995, 68, 29-42.	1.5	22
404	Observation of isolated high-ET photons in deep inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 595, 86-100.	1.5	22
405	Search for pentaquarks decaying to Λb in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 610, 212-224.	1.5	22
406	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	22
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452	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \tau\tau$, in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	18
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464	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 158.	1.4	17
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467	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
468	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s} = 13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17

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494	Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
495	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
496	Search for scalar resonances decaying into WZ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
497	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.	1.4	15
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500	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb ⁻¹ of ATLAS data. European Physical Journal C, 2011, 71, 1.	1.4	14
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516	Measurement of heavy-quark jet photoproduction at HERA. European Physical Journal C, 2011, 71, 1.	1.4	13
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533	Forward-jet production in deep inelastic ep scattering at HERA. European Physical Journal C, 2007, 52, 515-530.	1.4	12
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549	Isolated tau leptons in events with large missing transverse momentum at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 41-58.	1.5	11
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555	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
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589	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
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