

# Filippo Maria Fmg Giorgi

## List of Publications by Year in descending order

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340  
papers

19,379  
citations

10986

71  
h-index

17592

121  
g-index

342  
all docs

342  
docs citations

342  
times ranked

9318  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187
2	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	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.	3.9	453
4	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.	3.9	362
5	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 581.	3.9	298
6	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.	3.9	274
7	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.	3.9	268
8	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
9	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	3.9	248
10	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. European Physical Journal C, 2015, 75, 299.	3.9	238
11			

#	ARTICLE	IF	CITATIONS
19	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	175
20	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	3.9	174
21	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
22	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	168
23	Measurement of the transverse momentum and $\phi^*_{\eta}$ 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.	3.9	154
24	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.	3.9	146
25	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.	4.7	145
26	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
27	Precision measurement and interpretation of inclusive $W^+W^-$ , $W^+W^+$ . European Physical Journal C, 2017, 77, 367.	3.9	145
28	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.	3.9	143
29	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	3.9	138
30	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
31	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.	4.7	136
32	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
33	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
34	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.	3.9	123
35			

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37	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	116
38	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb <sup>-1</sup> of pp collisions at s = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	116
39	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=8, \sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	3.9	115
40	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.	3.9	114
41			

#	ARTICLE	IF	CITATIONS
55	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7; \text{TeV}$ pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
56	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
57	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	3.9	87
58	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.	3.9	86
59	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	4.7	84
60	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.	4.7	81
61	Measurement of the prompt $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	3.9	81
62	Search for dark matter at $\sqrt{s} = 13 \text{ TeV}$ in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	3.9	80
63	Search for production of $WW/WZ$ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	3.9	79
64	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	3.9	79
65	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	78
66	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.	3.9	77
67	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
68	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.	3.9	75
69	Search for resonant diboson production in the $q\bar{q} \rightarrow \gamma^* \rightarrow q\bar{q}$ final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
70	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.	3.9	73
71	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.	4.7	73
72	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	3.9	73

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73	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.	3.9	73
74	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	71
75	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.	4.7	71
76	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
77	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	70
78	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
79	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.	4.7	67
80	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.	3.9	67
81	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
82	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.	4.7	65
83	Measurement of the $W \rightarrow \tau \nu_\tau$ , $Z \rightarrow \tau \tau$ and $Z \rightarrow \tau \nu_\tau$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
84	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
85	Observation and measurements of the production of prompt and non-prompt $J/\psi$ 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.	3.9	64
86	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
87	Measurement of the differential cross-sections of prompt and non-prompt production of $J/\psi$ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63
88	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
89	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.	3.9	62
90	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\gamma^3$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61

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91	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
92	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.	3.9	61
93	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.	3.9	60
94	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
95	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $e^+e^- \rightarrow u\bar{u} + b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
96	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
97	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.	3.9	60
98	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
99	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
100	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
101	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
102	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.	3.9	59
103	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
104	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
105	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.	3.9	56
106	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.	3.9	56
107	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.	3.9	56
108	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

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109	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
110	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
111	Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional b-jets in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	3.9	54
112	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7\text{ fb}^{-1}$ of $\sqrt{s}=7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
113	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
114	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
115	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
116	Search for lepton-flavour-violating $H \rightarrow \tau\mu$ , decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
117	Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton}$ channels using $\sqrt{s}=7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	3.9	52
118	The Young-Feynman two-slits experiment with single electrons: Build-up of the interference pattern and arrival-time distribution using a fast-readout pixel detector. Ultramicroscopy, 2012, 116, 73-76.	1.9	51
119	Measurement of the top quark mass with the template method in the $t \rightarrow \text{lepton} + \text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	3.9	51
120	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $Z^{\prime}$ boson in the $\text{au} \rightarrow \tau, \bar{\tau}$ , final state produced in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	3.9	51
121	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}_{NN}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	3.9	51
122	Recent achievements of the NEMO project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 111-118.	1.6	50
123	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	3.9	50
124	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in $36\text{ fb}^{-1}$ of pp collisions at. European Physical Journal C, 2018, 78, 401.	3.9	50
125	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
126	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



#	ARTICLE	IF	CITATIONS
127	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
128	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
129	Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 361.	3.9	47
130	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
131	Study of the rare decays of $B^0_s$ and $B^0$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. European Physical Journal C, 2016, 76, 513.	3.9	46
132	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7, \sqrt{s} = 8$ 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
133	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
134	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
135	Measurement of the $t$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	3.9	45
136	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
137	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
138	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
139	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	44
140	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ , $H \rightarrow \tau^+ \tau^- \nu$ decay mode in $\sqrt{s} = 7, \sqrt{s} = 8$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
141	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^- b$ decay channel in pp collisions at $s = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
142	Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	3.9	43
143	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	3.9	43
144	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

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145	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	42
146	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	3.9	41
147	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
148	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
149	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	40
150	A search for $t$ 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
151	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
152	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
153	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	39
154	Search for flavour-changing neutral current top-quark decays to $qZ$ in pp collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 12.	3.9	39
155	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 87.	3.9	39
156	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
157	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	38
158	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
159	Search for bottom squark pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	3.9	37
160	Measurement of the $W$ boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	3.9	37
161	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	36
162	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

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163	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	3.9	36
164	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
165	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
166	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	3.9	36
167	The FastTracker Real Time Processor and Its Impact on Muon Isolation, Tau and b-Jet Online Selections at ATLAS. IEEE Transactions on Nuclear Science, 2012, 59, 348-357.	2.0	35
168	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 $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
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