

# Nektarios Benekos

## List of Publications by Year in descending order

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1,002  
papers

61,668  
citations

1238

110  
h-index

2629

194  
g-index

1030  
all docs

1030  
docs citations

1030  
times ranked

14017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-29.	4.1	6,386
2	The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.	1.2	1,752
3	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187
4	Combined Measurement of the Higgs Boson Mass in Collisions at $\sqrt{s} = 7$ and $8 \text{ TeV}$ with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.	7.8	1,062
5	Search for neutral MSSM Higgs bosons at LEP. European Physical Journal C, 2006, 47, 547.	3.9	592
6	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.	7.8	581
7	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	489
8	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s} = 7$ and $8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	4.7	473
9	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.	3.9	453
10	Observation of Associated Near-Side and Away-Side Long-Range Correlations in Collisions with the ATLAS Detector. Physical Review Letters, 2013, 110, 182302.	7.8	434
11	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	2.9	365
12	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
13	Combined search for the Standard Model Higgs boson using up to $4.9 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 7$ and $8 \text{ TeV}$ with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 719, 48-66.	4.1	325
14	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
15	Charged-particle multiplicities in $pp$ interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	2.9	314
16	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	4.1	307
17	Performance of pile-up mitigation techniques for jets in $pp$ collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 581.	3.9	298
18	Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 88-119.	4.1	295

#	ARTICLE	IF	CITATIONS
19	Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	3.9	279
20	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
21	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
22	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
23	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
24	Combined measurements of Higgs boson production and decay using up to $\sqrt{s} = 80$ TeV of proton-proton collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	3.9	241
25	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
26	Search for high-mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physical Review D, 2014, 90, .	4.7	237
27			

#	ARTICLE	IF	CITATIONS
37	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel at $\sqrt{s} = 8$ TeV in $pp$ collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	3.9	197
38	Search for high-mass dilepton resonances using $139 \text{ fb}^{-1}$ of $pp$ collision data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 357, 117-120.	4.1	196
39	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1-4.	4.1	195
40	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV with the ATLAS Detector at the LHC. Physical Review Letters, 2016, 117, 182002.	7.8	185
41	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 903.	3.9	181
42	Luminosity determination in $pp$ collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	179
43	Measurement of the Higgs boson mass from the $H \rightarrow \tau\tau$ decay channel using $36.1 \text{ fb}^{-1}$ of $pp$ collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 1-10.	4.7	176
44	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
45	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
46	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
47	Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with $36.1 \text{ fb}^{-1}$ of $pp$ collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 1-10.	7.8	171
48	Measurement with the ATLAS detector of multi-particle azimuthal correlations in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 173-191.	4.1	169
49	Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 173-191.	4.1	169
50	Search for Scalar Diphoton Resonances in the Mass Range $65 \leq m_{\gamma\gamma} < 600$ GeV with the ATLAS Detector in $pp$ Collision Data at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 113, 171801.	7.8	168
51	Search for new high-mass phenomena in the dilepton final state using $36 \text{ fb}^{-1}$ of proton-proton collision data at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	168
52	Measurement of the differential cross-sections of inclusive, prompt and non-prompt $J/\psi$ production in proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 1-10.	2.5	163
53	Measurement of the differential cross-sections of inclusive, prompt and non-prompt $J/\psi$ production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 1-10.	4.7	158
54	Measurements of Higgs boson production and couplings in the four-lepton channel in $pp$ collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, 112002.	4.7	158

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55	Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .	4.7	157
56	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	2.5	155
57	Measurement of the transverse momentum and $\phi_{\text{rel}}$ 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
58	Measurement of hard double-parton interactions in $W + 2$ -jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	2.9	147
59	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
60	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
61	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
62	Precision measurement and interpretation of inclusive $W^+W^-$ , $W^+W^0$ and $W^0W^-$ . European Physical Journal C, 2017, 77, 367.	3.9	145
63	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2018, 121, 211801.	7.8	145
64	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 13$ TeV proton-proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	4.1	145
65	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
66	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
67	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 155-164.	4.1	138
68	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
69	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in $\sqrt{s} = 13$ TeV collisions at the ATLAS detector. Physical Review Letters, 2011, 106, 131802.	4.7	137
70	Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in $\sqrt{s} = 7$ TeV collisions. Physical Review Letters, 2011, 106, 131802.	7.8	136
71	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
72	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physical Review D, 2012, 86, .	4.7	135



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73	Measurement of the Nuclear Modification Factor for Jets in $\sqrt{s}=8$ TeV Pb-Pb Collisions at the LHC. Physical Review Letters, 2014, 112, 041802.	7.8	135
74	Measurement of event-plane correlations in $\sqrt{s}=2.76$ TeV Pb-Pb collisions with the ATLAS detector. Physical Review C, 2014, 90, 014907.	7.0	134
75	Charged-particle multiplicities in pp interactions at $\sqrt{s}=7$ TeV measured with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 21-42.	7.1	133
76	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801.	7.8	133
77	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 199.	3.9	132
78	Measurement of the $Z/\tilde{\chi}^0$ boson transverse momentum distribution in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131
79	Search for Invisible Decays of a Higgs Boson Produced in Association with a $Z$ Boson in ATLAS. Physical Review Letters, 2014, 112, 041802.	7.8	130
80	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.	3.9	130
81	Search for Dark Matter in Events with a Hadronically Decaying $W$ Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	7.8	129
82	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
83	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in $\sqrt{s}=8$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 762, 1-12.	4.1	126
84	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{b}$ in $\sqrt{s}=7$ TeV pp collision data at the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	126
85	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in $\sqrt{s}=8$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 762, 1-12.	4.7	126
86	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.	3.9	125
87	Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P12006-P12006.	1.2	124
88	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	124
89	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in $\sqrt{s}=8$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 762, 1-12.	7.8	123
90	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in $\sqrt{s}=8$ TeV pp collisions at the ATLAS detector. European Physical Journal C, 2015, 75, 349.	3.9	123

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91	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	3.9	121
92	Measurement of the inclusive isolated prompt photon cross section in $pp$ collisions at $\sqrt{s} = 7$ TeV at the ATLAS detector. Physical Review D, 2011, 83, .	4.7	121
93			

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109	Search for squarks and gluinos in final states with jets and missing transverse momentum using $\sqrt{s} > 4.7 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2013, 87, 014011.	4.7	112
110	Measurement of long-range pseudorapidity correlations and azimuthal harmonics in $\sqrt{s} = 5.02 \text{ TeV}$ proton-lead collisions with the ATLAS detector. Physical Review C, 2014, 90, 014907.	2.9	111
111	Search for a disappearing-track signature in $\sqrt{s} = 7 \text{ TeV}$ pp collisions at the ATLAS detector. Physical Review D, 2015, 92, 012004.	4.7	110
112	Observation and measurement of Higgs boson decays to $WW$ in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector. Physical Review D, 2015, 92, 012004.	4.7	110
113	Measurement of $t\bar{t}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2012, 72, 2043.	3.9	109
114	Combined search for the Standard Model Higgs boson in $\sqrt{s} = 7 \text{ TeV}$ pp collisions at the ATLAS detector. Physical Review D, 2012, 86, 012002.	4.7	109
115	Search for a lead $\bar{t}t$ production in $\sqrt{s} = 7 \text{ TeV}$ lead-lead collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	4.7	109
116	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	3.9	109
117	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	108
118	Search for heavy resonances decaying into $WW$ in the $e^+e^- \rightarrow \mu^+\mu^- + \text{jet} + \text{jet}$ final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	3.9	108
119	Search for squarks and gluinos in final states with jets and missing transverse momentum using $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2013, 87, 014011.	4.7	108
120	Measurement of the centrality dependence of $Z$ production yields and observation of $Z$ production in lead-lead collisions with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 294-312.	4.1	107
121	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$ and comparison to the inclusive jet cross-section at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2013, 73, 2509.	3.9	105
122	Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in $\sqrt{s} = 7 \text{ TeV}$ pp Collision Data at the ATLAS detector. Physical Review D, 2018, 97, 012004.	7.8	105
123	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	102
124	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	3.9	101
125	Search for Higgs boson pair production in the $WW$ final state in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector. Physical Review D, 2015, 92, 012004.	4.7	101
126	Search for heavy ZZ resonances in the $e^+e^- \rightarrow \mu^+\mu^- + \text{jet} + \text{jet}$ final states using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	3.9	101



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127	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	100
128	Search for high-mass diphoton resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	99
129	Search for Higgs Boson Pair Production in the Final State Using pp Collision Data at $\sqrt{s} = 8$ TeV from the ATLAS Detector. Physical Review Letters, 2015, 114, 081802.	7.8	98
130	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 76, 210.	3.9	95
131	Search for a CP-odd Higgs boson decaying to Z $\gamma$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	4.1	93
132	Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using $\sqrt{s} = 8$ TeV pp Collision Data. Physical Review Letters, 2020, 125, 051801.	7.8	97
133	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	3.9	95
134	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.	3.9	95
135	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.	3.9	95
136	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow Z\gamma$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	4.1	93
137	Constraints on the rapidity dependence of inclusive jet production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	4.1	93
138	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	3.9	93
139	Measurements of the $W$ production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
140	Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	91
141	Search for dark matter in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	7.8	90
142	Search for Higgs boson and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	90
143	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.	3.9	90
144	Search for the $b\bar{b}H$ 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.	4.7	89

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145	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	88
146	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	88
147	Measurement of $W\Delta$ and Z-boson production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 601-621.	4.7	88
148	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017, 77, 195.	3.9	87
149	Measurement of multi-particle azimuthal correlations in pp, pPb and low-multiplicity PbPb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 428.	3.9	86
150	Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2015, 92, .	2.9	84
151	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	84
152	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	82
153	Observation of an Excited $B_c$ State with the ATLAS Detector. <i>Physical Review Letters</i> , 2014, 113, 212004.	3.9	82
154	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	82
155	Search for Dilepton Resonances in $pp$ Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2011, 107, 272002.	7.8	81
156	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	81
157	Measurement of the prompt $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 76.	3.9	81
158	Observation of Spin Correlation in $pp$ Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2011, 107, 272002.	7.8	80
159	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. <i>European Physical Journal C</i> , 2017, 77, 393.	3.9	80
160	Searches for electroweak production of supersymmetric particles with compressed mass spectra in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2020, 101, .	4.7	80
161	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. <i>European Physical Journal C</i> , 2015, 75, 209.	3.9	79
162	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 70.	3.9	79

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163	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.	3.9	79
164	Measurement of $\epsilon$ production in $7\text{ TeV}$ collisions at ATLAS. Physical Review D, 2013, 87, .	4.7	78
165	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	78
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287	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



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305	Search for the associated production of the Higgs boson with a top quark pair in multilepton final states with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 519-541.	4.1	52
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309	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	3.9	52
311	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	3.9	51
312	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
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316	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 379.	3.9	51
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320	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	3.9	50
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322	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	7.8	50
323	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 401.	3.9	50
324	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	50

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325	<p>ment of the inclusive isolated prompt photon cross-section in pp collisions at <math>\sqrt{s} = 7</math> TeV using <math>\sqrt{s} = 7</math> TeV</p> <p>Search for Higgs bosons decaying to <math>\gamma\gamma</math> in the <math>\gamma\gamma</math> channel in the <math>\gamma\gamma</math> channel</p>	4.1	49
326	<p>state in <math>\gamma\gamma</math> collisions at <math>\sqrt{s} = 7</math> TeV</p> <p>Two Photons in <math>\gamma\gamma</math> collisions at <math>\sqrt{s} = 7</math> TeV</p>	7.8	49
327	<p>Search for Higgs and <math>\gamma\gamma</math> decays</p> <p>to <math>\gamma\gamma</math> decays</p>		
328	<p><math>\gamma\gamma</math> decays</p>		

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345	Measurement of total and differential $W + W^{\prime}$ production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous measurements of long-range azimuthal anisotropies and associated Fourier coefficients for collisions at $\sqrt{s} = 8$ TeV and 13 TeV and $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	47
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350	Search for New Phenomena in Events with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	7.8	46
351	Measurement of the cross section for the production of a $W$ boson in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 707, 438-458.	4.1	46
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353	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. <i>European Physical Journal C</i> , 2014, 74, 3195.	3.9	46
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359	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	46
360	Search for neutral MSSM Higgs bosons decaying into $\tau\tau$ pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.1	45

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364	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
365	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
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375	Search for Higgs boson production in $pp \rightarrow \tau^+ \tau^- + \text{jet} + \text{photon}$ final states with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 716, 220-226.	4.1	44
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380	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^-$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
381	Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Physical Review D, 2016, 94, .	4.7	43
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383	Search for magnetic monopoles and stable particles with high electric charges in $8 < \mathbf{\sqrt{s}} < \mathbf{13}$ TeV collisions with the ATLAS detector. Physical Review D, 2016, 93, .	4.7	43
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389	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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393	Performance of top-quark and $W$ -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	3.9	42
394	Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 114-133.	4.1	41
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398	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7, 8$ TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	2.9	41
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405	Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	7.8	41
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407	Higgs boson production cross-section measurements and their EFT interpretation in the $4\ell$ decay channel at $\sqrt{s} = 13.6$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	41
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417	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c + \hat{t}^+ J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^+ B_c + \hat{t}^+ J/\psi D_s^+$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	3.9	40
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423	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
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438	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
439	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38
440	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38
441	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38
442	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38
443	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38
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447	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38
448	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38
449	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38
450	Search for pair production of Higgs bosons in the final state with two jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38



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455	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
456	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	37
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462	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
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465	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
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470	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	36
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475	Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review Letters, 2015, 114, 161801.	7.8	35
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484	Search for long-lived particles produced in pp collisions at $\sqrt{s}=13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer. Physical Review D, 2019, 99, .	4.7	35
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496	Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $\sqrt{s}=7\text{ TeV}$ pp Collisions with the ATLAS Detector. Physical Review Letters, 2012, 108, 261804.	7.8	33
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503	Measurements of $\Upsilon(2S)$ and $\chi(3872)$ production in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	33
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512	Determination of the strong coupling constant $\alpha_s$ from transverse energy correlations in multijet events at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 872.	3.9	32
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531	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.1	31
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542	Searches for third-generation scalar leptoquarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	30
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546	Search for a Standard Model Higgs Boson in the $H\rightarrow ZZ\rightarrow 4\ell$ Decay Channel with the ATLAS Detector. Physical Review Letters, 2011, 107, 221802.	7.8	29
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550	Dijet production in pp collisions with large rapidity gaps at the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 214-234.	4.1	29
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555	Study of the material of the ATLAS inner detector for Run 2 of the LHC. Journal of Instrumentation, 2017, 12, P12009-P12009.	1.2	29
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560	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	29
561	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 698, 353-370.	4.1	28
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568	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $s = 8 \sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	28
569	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a a \rightarrow 4b$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	28
570	Search for long-lived neutral particles in pp collisions at $\sqrt{s}=13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	28
571	Measurement of the $t\bar{t}$ cross sections in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	28
572	In situ calibration of large-radius jet energy and mass in $\sqrt{s}=13$ TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	28
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711	Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV pp collisions with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	19
712	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	4.7	19
713	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 229-245.	4.1	19
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716	Probing lepton flavour violation via neutrinoless $\mu \rightarrow 3e$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	3.9	19
717	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	3.9	19
718	Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 557-577.	4.1	19
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720	Search for top-quark decays $t \rightarrow Hq$ with 36 fb <sup>-1</sup> of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	19

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721	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb <sup>-1</sup> of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
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732	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
733	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
734	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	18
735	Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
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737	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	3.9	17
738	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17

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740	Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.1	17
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746	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
747	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.	4.7	17
748	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $s = 13 \sqrt{s}=13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
749	Direct top-quark decay width measurement in the $t \rightarrow b \tau^+ \nu_\tau$ lepton+jets channel at $\sqrt{s}=8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	3.9	17
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753	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
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756	Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physic	4.1	17



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764	Search for Displaced Leptons in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2021, 127, 051802.	7.8	17
765	Search for resonant top quark plus jet production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	4.7	16
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768	Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2021, 127, 051802.	4.1	16
769	Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 345, 16-19.	4.7	16
770	Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 345, 16-19.	4.7	16
771	Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, 115011.	4.7	16
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774	Measurements of four-lepton production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 552-572.	4.7	16

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776	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	16
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778	Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 847.	3.9	16
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782	Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 790, 595-614.	4.7	16
783	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	15
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786	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	15
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790	Search for a multi-Higgs-boson cascade in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2014, 89, 014012.	4.7	15
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792	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e^+e^- \mu^+\mu^-$ with the ATLAS detector at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	15

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796	Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s} = 13 \sqrt{s}$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .	4.7	15
797	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.	4.7	15
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800	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.	3.9	15
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803	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. European Physical Journal C, 2011, 71, 1.	3.9	14
804	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 7 \sqrt{s}$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	14
805	Search for a heavy narrow resonance decaying to $e^+ \mu^-$ or $\mu^+ e^-$ with the ATLAS detector in $\sqrt{s} = 13 \sqrt{s}$ TeV collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 375, 286-288.	4.1	14
806	Search for a heavy narrow resonance decaying to $e^+ \mu^-$ or $\mu^+ e^-$ with the ATLAS detector in $\sqrt{s} = 13 \sqrt{s}$ TeV collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 375, 286-288.	4.1	14
807	Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. Physical Review D, 2013, 88, .	4.7	14
808	Search for new phenomena in events with three charged leptons at $\sqrt{s} = 13 \sqrt{s}$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	4.7	14
809	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $s = 8 \sqrt{s} = 8 \sqrt{s}$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
810	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14

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812	Studies of $Z\bar{1}3$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
813	Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 2017, 1.	4.7	14
814	Search for lepton-flavor violation in different-flavor, high-mass final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2018, 98.	4.7	14
815	Measurement of $VH$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
816	Measurements of inclusive and differential fiducial cross-sections of $\text{t}\bar{\text{t}}\gamma$ production in leptonic final states at $\sqrt{s} = 13$ TeV in ATLAS. European Physical Journal C, 2019, 79, 1.	3.9	14
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818	Search for bottom-quark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
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820	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
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831	Search for new resonances decaying to a photon and a hadronically decaying boson in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physical Review Letters, 2016, 117, 111802.	7.8	13
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833	Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
834	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. Journal of High Energy Physics, 2016, 2016, 1-46.	4.7	13
835	Measurements of top-quark pair to Z-boson cross-section ratios at $\sqrt{s} = 13, 8, 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
836	Search for new phenomena in high-mass final states with a photon and a jet from $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2018, 78, 102.	3.9	13
837	Measurement of the production cross section of three isolated photons in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 102.	4.7	13
838	Search for the $WZ$ resonances decaying to a photon and a hadronically decaying boson in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 803, 297-310.	4.7	13
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842	Search for resonant Higgs boson pair production in the $b\bar{b}\gamma, 1/2a, 1/2$ final state with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135145.	4.7	13
843	Search for resonant Higgs boson pair production in the $b\bar{b}\gamma, 1/2a, 1/2$ final state with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135145.	4.1	13
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866	Measurement of the production cross-section in the lepton+jets channel at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.1	12
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873	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
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878	Measurement of the cross section of high transverse momentum top quark production in proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.	4.1	11
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956	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	6
957	Search for the standard model Higgs boson produced in association with a vector boson and decaying into a tau pair in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016, 93.	4.7	5
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984	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. , 2015, 75, 1.		3
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