

Fernando Barreiro

List of Publications by Year in descending order

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Version: 2024-02-01

1,318
papers

71,714
citations

944

115
h-index

2323

199
g-index

1341
all docs

1341
docs citations

1341
times ranked

14783
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for new phenomena in three- or four-lepton events in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136832.	1.5	7
2	Emulating the impact of additional proton-proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events. Computing and Software for Big Science, 2022, 6, 1.	1.3	5
3	Search for heavy particles in the b-tagged dijet mass distribution with additional b-tagged jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. Physical Review D, 2022, 105, .	1.6	2
4	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	1.4	6
5	Measurement of the c-jet mistagging efficiency in $\sqrt{s}=13$ TeV events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	14
6	Operation and performance of the ATLAS semiconductor tracker in LHC Run 2. Journal of Instrumentation, 2022, 17, P01013.	0.5	1
7	Search for Higgs boson decays into a pair of pseudoscalar particles in the final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137066.	1.6	17
8	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
9	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	1.4	8
10	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb ⁻¹ of pp collision data at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
11	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	1.3	23
12	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \mu \nu$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.	1.4	4
13	The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s}=13$ TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	1.4	5
14	Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137066.	1.5	8
15	Measurement of the nuclear modification factor for muons from charm and bottom hadrons in Pb+Pb collisions at 5.02 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137077.	1.5	9
16	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	7
17	A search for an unexpected asymmetry in the production of e^+e^- and e^+e^- pairs in proton-proton collisions recorded by the ATLAS detector at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 830, 137106.	1.5	1
18	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s}=13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	1.4	2

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19	Constraints on Higgs boson production with large transverse momentum using $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2022, 105, .	1.6	10
20	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. <i>European Physical Journal C</i> , 2022, 82, 1.	1.6	5
21	Search for single production of a vectorlike quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector. <i>Physical Review D</i> , 2022, 105, .	1.4	12
22	Search for long-lived charginos based on a disappearing-track signature using 136 fb ⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022, 82, .	1.6	10
23	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 13$ TeV measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2022, 82, .	1.1	6
24	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.4	13
25	A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 812, 135980.	1.4	3
26	Measurement of the jet mass in high transverse momentum Z production at $\sqrt{s} = 13$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 812, 135991.	1.6	4
27	Medium-Induced Modification of Z-Tagged Charged Particle Yields in Pb-Pb Collisions at 5.02 TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2021, 126, 072301.	1.5	61
28	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb ⁻¹ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	2.9	7
29	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , 2021, 81, 1.	1.6	37
30	Measurements of WH and ZH production in the H → bb decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	12
31	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.4	38
32	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	1.6	18
33	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb ⁻¹ of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.4	17
34	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	19
35	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	6

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37	Search for Dark Matter Produced in Association with a Dark Higgs Boson Decaying into Z or W in Fully Hadronic Final States Longitudinal Flow Decorrelations in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	2.9	6
38	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.	2.9	17
39	Search for new phenomena in events with two opposite-charge leptons, 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.	1.6	14
40	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.	1.6	22
41	Measurement of the CP-violating phase ϕ_{s1} in $B_{s1} \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, .	1.4	18
42	Measurement of the CP-violating phase ϕ_{s1} in $B_{s1} \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, .	1.4	13
43	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
44	Search for heavy resonances decaying into a pair of Z bosons in the $W \rightarrow Z \nu \ell$ and $W \rightarrow Z \nu \nu$ final states using 139 fb ⁻¹ of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	40
45	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.	1.6	18
46	Measurement of the associated production of a Higgs boson decaying into b-quarks with a vector boson at high transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136190.	1.5	17
47	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $W \rightarrow Z \nu \nu$ and $W \rightarrow Z \nu \nu$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	26
48	Observation of proton-induced $W+W$ production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136190.	1.5	6
49	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	23
50	Search for new phenomena in events with an energetic jet and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2021, 103, .	1.6	64
51	Search for trilepton resonances from chargino and neutralino pair production in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physical Review D, 2021, 103, .	1.6	2
52	Measurements of $W+W$ + 1 jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
53	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	46
54	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	14

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55	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a \bar{l}_ν -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
56	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 819-825.	6.5	8
57	Search for Displaced Leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS Detector. Physical Review Letters, 2021, 127, 051802.	2.9	17
58	Test of the universality of \bar{l}_ν , and $\hat{1}/4$ lepton couplings in W-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 813-818.	6.5	15
59	Two-particle azimuthal correlations in photonuclear ultraperipheral collisions at 5.02 TeV with ATLAS. Physical Review C, 2021, 104, .		
60	Search for supersymmetry in events with four or more charged leptons in 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
61	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W^{\pm} and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
62	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
63	A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
64	Measurement of the relative $B_c \rightarrow B^{\pm} \mu^{\pm} \nu$ production cross section with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.6	3
65	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
66	Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2021, 16, P07029.	0.5	6
67	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	13
68	The ATLAS Fast Tracker system. Journal of Instrumentation, 2021, 16, P07006.	0.5	5
69	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$, 13 TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	3
70	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
71	Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136412.	1.5	8
72	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. Journal of Instrumentation, 2021, 16, P08025.	0.5	3

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73	Measurements of the inclusive and differential production cross sections of a top-quark anti-quark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	12
74	Search for resonances decaying into photon pairs in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136651.	1.6	4
75	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.1	11
76	Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at $s = 13$ TeV Using the ATLAS Detector. Physical Review Letters, 2021, 127, 141801.	2.9	14
77	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	9
78	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, 1.	1.5	21
79	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.	1.6	14
80	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. European Physical Journal C, 2021, 81, 1.	1.4	7
81	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
82	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
83	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
84	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
85	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	28
86	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
87	Search for Lepton-Flavor Violation in Z-Boson Decays with Leptons with the ATLAS Detector. Physical Review Letters, 2021, 127, 141801.	2.9	8
88	Search for charginos and neutralinos in final states with two boosted hadronically decaying bosons and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2021, 104, .	1.6	25
89	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	9
90	Search for resonances decaying into photon pairs in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136651.	1.5	21

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91	Search for new phenomena in pp collisions in final states with tau leptons, b -jets, and missing transverse momentum with the ATLAS detector. <i>Physical Review D</i> , 2021, 104, 114001.	1.6	14
92	Measurement of b -quark fragmentation properties in jets using the decay $B \rightarrow J/\psi K^{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	3
93	Combined measurements of Higgs boson production and decay using up to $80 < \sqrt{s} > < \sqrt{s} >$ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2020, 102, 113001.	2.4	21
94	Search for displaced vertices of oppositely charged leptons from decays of long-lived particles 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> , 2020, 801, 135114.	1.5	14
95	Search for non-resonant Higgs boson pair production in the $b\bar{b}\gamma$, $1/2\gamma$, $1/2$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, 113001.	1.5	13
96	Search for the Higgs boson decays $H \rightarrow \tau^+ \tau^- e e$ and $H \rightarrow \tau^+ \tau^- e \mu$ in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, 113001.	1.5	31
97	Searches for lepton-flavour-violating decays of the Higgs boson in $s = 13$ TeV pp collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135069.	1.5	30
98	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb^{-1} of pp collisions at $s = 13$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135082.	1.5	10
99	A search for the $Z\gamma$ decay mode of the Higgs boson 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> , 2020, 800, 135113.	1.5	53
100	Search for the Higgs boson decaying into two photons 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> , 2020, 800, 135082.	1.5	28
101	Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2020, 125, 022301.	2.9	67
102	Measurement of the $pp \rightarrow \mu^+ \mu^- + \text{jets}$ production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135082.	1.5	17
103	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	17
104	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	24
105	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	32
106	Measurement of the $pp \rightarrow \mu^+ \mu^- + \text{jets}$ production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135082.	1.5	12
107	Performance of the ATLAS muon triggers in Run 2. <i>Journal of Instrumentation</i> , 2020, 15, P09015-P09015.	0.5	62
108	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b -jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	34

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109	<p>Properties of Higgs Boson Interactions with Top Quarks in the $\gamma\gamma$ Channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	2.9	40
110	<p>Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	1.6	11
111	<p>Search for the HH \rightarrow b\bar{b} process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	1.6	17
112	<p>Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	1.6	12
113	<p>Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	2.9	97
114	<p>Searches for electroweak production of supersymmetric particles with compressed mass spectra in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	1.6	80
115	<p>Measurement of the azimuthal anisotropy of charged-particle production in $\sqrt{s} = 13$ TeV collisions at the ATLAS detector. Physical Review D, 2020, 101, .</p>	1.1	29
116	<p>Search for direct stau production in events with two hadronic leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physical Review D, 2020, 101, .</p>	1.6	33
117	<p>Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using $\sqrt{s} = 13$ TeV pp Collision Data from the ATLAS Detector. Physical Review Letters, 2020, 125, 221802.</p>	1.6	20
118	<p>Measurement of soft-drop jet observables in $\sqrt{s} = 13$ TeV collisions with the ATLAS detector at the ATLAS detector and muon spectrometer. Physical Review D, 2020, 101, .</p>	1.6	21
119	<p>Measurements of top-quark pair spin correlations in the e^+e^- channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.</p>	1.4	22
120	<p>Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. Journal of Instrumentation, 2020, 15, P11016-P11016.</p>	0.5	4
121	<p>Search for Higgs boson decays into two new low-mass spin-0 particles in the $b\bar{b}$ channel with the ATLAS detector using $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	1.6	17
122	<p>Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using $\sqrt{s} = 13$ TeV pp Collision Data from the ATLAS Detector. Physical Review Letters, 2020, 125, 221802.</p>	2.9	20
123	<p>Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.</p>	1.4	41
124	<p>Search for heavy neutral Higgs bosons produced in association with b-quarks and decaying into b-quarks and $\tau\tau$ in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	1.6	22
125	<p>Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using $\sqrt{s} = 13$ TeV pp Collision Data from the ATLAS Detector. Physical Review Letters, 2020, 125, 221802.</p>	1.6	22
126	<p>Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	1.6	36

#	ARTICLE	IF	CITATIONS
127	Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physical Review D, 2020, 101, .	1.6	28
128	ATLAS data quality operations and performance for 2015–2018 data-taking. Journal of Instrumentation, 2020, 15, P04003-P04003.	0.5	68
129	Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 222002.	2.9	28
130	Test of CP invariance in vector-boson fusion production of the Higgs boson in the $H \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135426.	1.5	22
131	Search for $\chi_{1,2}^0$ production in association with a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2020, 124, 082201.	2.9	17
132	Measurement of the σ production cross-section and lepton differential distributions in $\mu\mu$ dilepton events from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, .	1.4	26
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152	Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 100, 1.	1.6	21
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204	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 58.	1.4	61
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208	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s}=13$ and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	6
209	Measurement of the top quark mass in the $t\bar{t}$ final state. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	47
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220	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	9
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240	Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 29-35.	1.6	12
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245	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ and 5.0 . <i>European Physical Journal C</i> , 2018, 78, 142.	1.4	59
246	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s}=5.02\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 171.	1.4	75
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257	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, 2018, 781, 55-76.	1.5	14
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273	Decay Channel in $b \rightarrow \bar{c} \ell \nu$. Physical Review Letters, 2018, 121, 191801.	2.9	70
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275	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
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278	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.	1.4	51
279	Search for pair production of heavy vectorlike quarks decaying into hadronic final states in $\sqrt{s}=13$ TeV pp collisions at the ATLAS detector. Physical Review D, 2018, 98, .	1.6	32
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329	Search for a Structure in the $B\bar{B}^0$ Invariant Mass Spectrum with the ATLAS Experiment. Physical Review Letters, 2018, 120, 202007.	1.6	19
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348	Measurement of the $\text{t}\hat{A}^0 Z$ and $\text{t}\hat{A}^0 W$ production cross sections in multilepton final states using 3.2 fb ⁻¹ of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	1.4	41
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353	Measurement of the W boson polarisation in $\text{t}\hat{A}^0$ events from pp collisions at $\sqrt{s}=8$ TeV in the lepton+ jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	1.4	37
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355	Measurements of top-quark pair differential cross-sections in the $\text{e}\hat{e}^+$ channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	27
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372	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	1.4	86
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397	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.	1.4	80
398	Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s}=13$ TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
399	Search for direct top squark pair production in final states with two leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 898.	1.4	50
400	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	8
401	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. <i>European Physical Journal C</i> , 2017, 77, 765.	1.4	19
402	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	8
403	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
404	Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017, 96, ..	1.6	157
405	Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017, 96, ..	1.6	15
406	Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
407	Femtoscopy with identified charged pions in proton-lead collisions at $\sqrt{s}=5.02$ TeV with ATLAS. <i>Physical Review C</i> , 2017, 96, ..		
408	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	38
409	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 580.	1.4	35
410	Measurement of $WW/WZ \rightarrow \ell u q q'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s}=8$ TeV with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , 2017, 77, 563.	1.4	28
411	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s}=13$ TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	12
412	Searches for the $Z\bar{3}$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	30
413	Studies of $Z\bar{3}$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
414	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.	1.6	16

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416	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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418	Measurements of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	20
419	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
420	Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
421	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	28
422	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
423	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb ⁻¹ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
424	Study of ordered hadron chains with the ATLAS detector. Physical Review D, 2017, 96, .	1.6	2
425	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	36
426	Study of the material of the ATLAS inner detector for Run 2 of the LHC. Journal of Instrumentation, 2017, 12, P12009-P12009.	0.5	29
427	Measurement of the k _t splitting scales in Z $\tau^+\tau^-$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
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430	Search for new high-mass phenomena in the dilepton final state using 36 fb ⁻¹ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	168
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434	A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeV pp collisions. Journal of Instrumentation, 2016, 11, P11020-P11020.	0.5	10
435	Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	30
436	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	10
437	Measurement of event-shape observables in $Z \rightarrow e^+ e^- Z \rightarrow \mu^+ \mu^-$ events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	1.4	15
438	Charged-particle distributions in pp interactions at $\sqrt{s} = 8$ TeV measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	1.4	30
439	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	1.4	61
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441	Search for minimal supersymmetric standard model Higgs Bosons H/A and for a Z^{\prime} boson in the $pp \rightarrow b\bar{b}l\bar{l}$ final state produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	1.4	51
442	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
443	Measurement of the $b\bar{b}$ dijet cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	1.4	12
444	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	1.4	21
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446	Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 605.	1.4	24
447	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 292.	1.4	453
448	Test of CP invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector. European Physical Journal C, 2016, 76, 658.	1.4	48
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452	Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 251-260.	1.5	29
453	Transverse energy correlations and centrality dependence of inclusive charged-particle production in $n+n$ Pb collisions measured by the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 261-270.	1.5	29
454	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. Physical Review D, 2016, 94, .	1.6	137
455	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	44
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458	Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H\rightarrow\tau^+\tau^-$ decay channel at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 69-85.	1.5	31
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461	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s}=8\text{TeV}$. European Physical Journal C, 2016, 76, 87.	1.4	39
462	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	1.4	10
463	Search for charged Higgs bosons in the $H\rightarrow\tau^+\tau^-$ decay channel in pp collisions at $\sqrt{s}=8\text{TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	43
464	Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2fb^{-1} of proton-proton collision data at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 647-665.	1.5	39
465	Transverse energy-energy correlations at next-to-leading order in \sqrt{s} at the LHC. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2764-2766.	0.2	0
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467	Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 520-537.	1.5	12
468	Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 372-392.	1.5	52

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470	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.	1.4	24
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472	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.5	19
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474	Measurement of the $W\gamma$ boson pair-production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	1.6	43
475	Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Physical Review D, 2016, 94, .	1.4	43
476	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.	0.2	1
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478	Measurement of the top quark mass in the dilepton channel from ATLAS Collaboration. Nuclear Physics A, 2016, 956, 922-944.	0.6	1
479	Search for charged Higgs bosons produced in association with a top quark and decaying via $H^\pm \rightarrow t\bar{b}$ using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 555-574.	1.5	58
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481	Search for scalar leptoquarks in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS experiment. New Journal of Physics, 2016, 18, 093016.	1.2	56
482	Search for Higgs and Z Boson Decays to $\tau\tau$ with the ATLAS Detector. Physical Review Letters, 2016, 117, 111802.	2.9	13
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484	Search for the electroweak production of supersymmetric particles in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	53
485	Search for the electroweak production of supersymmetric particles in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	53

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489	Measurements of Z production cross sections in pp collisions with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	11
490	Search for magnetic monopoles and stable particles with high electric charges in 8ATeV collisions with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	43
491	Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	16
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493	Measurements of Z production cross sections in pp collisions at $\sqrt{s} = 7$ and 8TeV with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	5
494	Measurements of Z production cross sections in pp collisions at $\sqrt{s} = 7$ and 8TeV with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	39
495	Measurement of the Z production cross section in pp collisions at $\sqrt{s} = 7$ and 8TeV with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	39
496	Measurement of the Z production cross section in pp collisions at $\sqrt{s} = 7$ and 8TeV with the ATLAS detector. Physical Review D, 2016, 93, .	2.9	31
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503	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8\text{TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.	1.4	51
504	Measurement of jet activity in top quark events using the $e\bar{\nu}_e$ final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4

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506	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow \tau^+\tau^-$ with the ATLAS detector at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
507	Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2016, 94, .	1.6	4
508	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
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510	Identification of high transverse momentum top quarks in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
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524	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $s = 8 \sqrt{s}=8 \text{ TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
525	Search for the Standard Model Higgs boson decaying into $b \bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	21
526	Measurement of the CP-violating phase $\arg(\lambda)$ and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \mu^+ \mu^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
527	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	1.4	73
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529	A search for prompt lepton-jets in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
530	Search for new phenomena with photon+jet events in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
531	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
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533	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
534	Search for strong gravity in multijet final states produced in pp collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
535	Measurements of four-lepton production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 52-71.	1.5	10
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687	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in \sqrt{s} collisions at $\sqrt{s} = 7$ TeV with the ATLAS Search for Quantum Black Hole Production in High-Invariant-Mass	1.2	24
688	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in \sqrt{s} collisions at $\sqrt{s} = 7$ TeV with the ATLAS Search for Quantum Black Hole Production in High-Invariant-Mass	1.5	121
689	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in \sqrt{s} collisions at $\sqrt{s} = 7$ TeV with the ATLAS Search for Quantum Black Hole Production in High-Invariant-Mass	1.2	24
690	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in \sqrt{s} collisions at $\sqrt{s} = 7$ TeV with the ATLAS Search for Quantum Black Hole Production in High-Invariant-Mass	2.9	35
691	Measurements of Four-Lepton Production at the Search for dark matter in events with a	1.6	237
692	Measurements of Four-Lepton Production at the Search for dark matter in events with a	2.9	51
693	Measurements of normalized differential cross sections for Search for dark matter in events with a	2.9	123
694	Measurements of normalized differential cross sections for Search for dark matter in events with a	1.6	71
695	Search for dark matter in events with a Search for dark matter in events with a	1.6	90
696	Search for dark matter in events with a Search for dark matter in events with a	2.9	168
697	Search for dark matter in events with a Search for dark matter in events with a	2.9	130
698	Search for dark matter in events with a Search for dark matter in events with a	1.6	58
699	Search for dark matter in events with a Search for dark matter in events with a	1.6	15
700	Search for dark matter in events with a Search for dark matter in events with a	1.6	26
701	Search for dark matter in events with a Search for dark matter in events with a	1.6	26
702	Search for dark matter in events with a Search for dark matter in events with a	1.6	52

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703	Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physical Review D, 2014, 89, .	1.6	12
704	Measurement of the Higgs boson mass from the $H \rightarrow \gamma\gamma$ and $H \rightarrow Z\gamma$ channels using the ATLAS detector. Physical Review Letters, 2014, 112, 041802.	1.6	176
705	ATLAS Collaboration. Nuclear Physics A, 2014, 932, 572-594.	0.6	1
706	Search for Dark Matter in Events with a Hadronically Decaying W or Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	2.9	129
707	Measurement of long-range pseudorapidity correlations and azimuthal harmonics in $\sqrt{s_{NN}} = 5.02$ TeV proton-lead collisions with the ATLAS detector. Physical Review C, 2014, 90, .	1.1	111
708	Observation of an Excited B_c State with the ATLAS Detector. Physical Review Letters, 2014, 113, 212004.	1.6	182
709	Measurement of event-plane correlations in $\sqrt{s_{NN}} = 2.76$ TeV pp collisions. Physical Review Letters, 2014, 113, 212004.	1.1	134
710	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Physical Review D, 2014, 90, .	1.6	126
711	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Physical Review D, 2014, 90, .	1.6	48
712	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
713	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
714	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	1.4	172
715	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.	1.4	48
716	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
717	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.	1.4	46
718	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.	1.6	41
719	Measurement of the production cross-section of $\tilde{t}(2S) \rightarrow \tilde{t}(\hat{1}/4 + \hat{1}/4 \hat{a}^{\prime}) \tilde{\chi}^0 + \tilde{\chi}^{\pm} \hat{a}^{\prime}$ in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21
720	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.	1.6	131

#	ARTICLE	IF	CITATIONS
721	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $s = 8 \sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	38
722	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.	1.6	45
723	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	47
724	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 $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
725	Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 8-27.		
726	Lacustrine carbonates of Iberian Karst Lakes: Sources, processes and depositional environments. Sedimentary Geology, 2014, 299, 1-29.	1.0	52
727	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.	1.6	42
728	Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 8-27.	1.5	8
729	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 $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	40
730	The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s} = 7$ TeV pp collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	1.4	13
731	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
732	Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	1.4	23
733	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	1.4	22
734	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
735	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
736	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
737	Measurement of the production cross section of prompt J/ψ mesons in association with a W^{\pm} boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
738	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.	1.6	36

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739	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	59
740	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	145
741	Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \tau^+\tau^-$ using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, .	1.6	35
742	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	45
743	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25
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745	Measurement of $c1$ and $c2$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	32
746	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	10
747	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	45
748	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. <i>European Physical Journal C</i> , 2014, 74, 2883.	1.4	55
749	Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 728, 562-578.		
750	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. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	73
751	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. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	53
752	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	32
753	Measurement of $D^*\hat{A}_{\pm}$ production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	8
754	Measurement of $D^*\hat{A}_{\pm}$ production in deep inelastic ep scattering with the ZEUS detector at HERA. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	8
755	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	137
756	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and $ZZ\hat{A}_{\pm}$ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	61

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758	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.	1.6	52
759	Measurement of inelastic J/ψ and Υ photoproduction at HERA. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
760	Measurement of k_T splitting scales in $W \rightarrow e \nu_e$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
761	Search for a light charged Higgs boson in the decay channel $H^{\pm} \rightarrow c \bar{s}$ in $\overline{t} \rightarrow b \gamma$ events using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.	1.4	119
762	Measurement of angular correlations in $D^0 \rightarrow \ell^+ \ell^- \nu_{\ell} \nu_{\ell'}$ decays of D^0 mesons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 233-245.	1.5	21
763	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 1-5.	1.5	67
764	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 1-5.	1.5	67
765	Measurement of the differential cross-section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	1.5	307
766	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	1.5	67
767	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.	1.5	307
768	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.	1.5	295
769	Search for resonances in the lepton plus jets final state with ATLAS using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	1.6	39
770	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	102
771	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
772	Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	1.6	31
773	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.	1.6	52
774	Measurement of charm fragmentation fractions in photoproduction at HERA. Journal of High Energy Physics, 2013, 2013, 1.	1.6	23

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776	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.	1.4	105
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793	Search for pair production of heavy top-like quarks decaying to a high- p_T lepton and a b quark in the lepton plus jets final state at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 299-317.	1.5	40
794	A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 299-317.	1.5	44
795	Search for a heavy narrow resonance decaying to $B_s^0 \ell^+ \ell^-$ with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. Nuclear Physics B, 2013, 271, 1-13.	1.5	14
796	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.	1.5	14
797	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.	1.5	44
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800	Production of the excited charm mesons and at HERA. Nuclear Physics B, 2013, 866, 229-254.	0.9	13
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802	Search for new phenomena in the $pp \rightarrow \tau^+ \tau^- + \text{jet} + \cancel{E}_T$ final state in pp collisions at $\sqrt{s} = 7$ TeV. Nuclear Physics B, 2013, 271, 1-13.	1.5	6
803	Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 879-901.	1.5	37
804	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	1.4	15
805	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	1.4	15
806	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	1.4	45
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808	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
809	Measurement of the τ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	1.4	45
810	Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 232002.	2.9	57

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812	Measurement of hard double-parton interactions in $W(\rightarrow \tau^+\tau^-)$ + 2-jet events at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	1.2	147
813	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	1.2	15
814	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.	1.2	41
815	Search for resonant diboson production in the $WW/WZ \rightarrow \tau^+\tau^-$ decay channels with the ATLAS detector at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87, .	1.6	18
816	Observation of Associated Near-Side and Away-Side Long-Range Correlations in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 110, 182302.	1.6	112
817	Measurement of τ production in pp collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	78
818	Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in pp collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	16
819	Search for long-lived stopped charm hadrons decaying out of time with the ATLAS detector. Physical Review D, 2013, 87, .	2.9	105
820	Search for contact interactions and large extra dimensions in dilepton events from pp collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	35
821	Search for new phenomena in events with three charged leptons at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	12
822	Measurement of Z boson production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physical Review Letters, 2013, 110, 022301.	2.9	63
823	Measurement of charged-particle event shape variables in inclusive $(s)=7$ TeV proton-proton interactions with the ATLAS detector. Physical Review D, 2013, 88, .	1.6	76
824	Measurement of Z boson production in pp collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	14
825	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, .	1.6	14
826	Search for new phenomena in events with three charged leptons at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	14
827	Search for new phenomena in events with three charged leptons at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	14
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832	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in $Pb+Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 108, 241802.	2.9	37
833	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	3
834	Search for resonant top quark plus jet production in $Pb+Pb$ collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review D, 2012, 86, .	1.6	16
835	Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	2.9	63
836	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in $Pb+Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 108, 181802.	2.9	61
837	ATLAS measurements of the properties of jets for boosted particle searches. Physical Review D, 2012, 86, .	1.6	21
838	Search for New Phenomena in $Pb+Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	2.9	46
839	Observation of Spin Correlation in W Boson and a Z Boson Production in $Pb+Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	2.9	31
840	Search for a New Phenomena in $Pb+Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	2.9	80
841	Measurement of inclusive jet and dijet production in $Pb+Pb$ collisions at $\sqrt{s_{NN}}=2.76$ TeV using the ATLAS detector. Physical Review D, 2012, 86, .	1.6	135
842	Observation of a New Phenomena in $Pb+Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	2.9	90
843	Measurement of the production cross section of an isolated photon associated with jets in $Pb+Pb$ collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	1.6	45
844	Search for a New Phenomena in $Pb+Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	2.9	33
845	Underlying event characteristics and their dependence on jet size of charged-particle jet events in $Pb+Pb$ collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	12
846	Search for Pair Production of a New Phenomena in $Pb+Pb$ Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.	2.9	26

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880	Search for supersymmetry in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in final states with missing transverse momentum and b-jets with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	35
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953	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow \tau^+ \tau^-$ in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	1.5	21
954	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow \tau^+ \tau^-$ in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	1.5	21

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