

# Georges Aad

## List of Publications by Year in descending order

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895  
papers

57,164  
citations

1294

109  
h-index

2736

192  
g-index

907  
all docs

907  
docs citations

907  
times ranked

13603  
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 <sup>-1</sup> 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

#	ARTICLE	IF	CITATIONS
19	Search for resonant pair production of Higgs bosons in the $pp \rightarrow H \rightarrow b\bar{b} \rightarrow b\bar{b} \rightarrow b\bar{b}$ channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2022, 105, .	1.6	10
20	Constraints on Higgs boson production with large transverse momentum using $pp \rightarrow H \rightarrow b\bar{b} \rightarrow b\bar{b} \rightarrow b\bar{b}$ decays in the ATLAS detector. <i>Physical Review D</i> , 2022, 105, .	1.6	5
21	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.	1.4	12
22	The Phase-I trigger readout electronics upgrade of the ATLAS Liquid Argon calorimeters. <i>Journal of Instrumentation</i> , 2022, 17, P05024.	0.5	6
23	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, .	1.6	10
24	Measurements of azimuthal anisotropies of jet production in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2022, 105, .	1.1	6
25	Search for long-lived charginos based on a disappearing-track signature using 136 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022, 82, .	1.4	13
26	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, .	1.4	3
27	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.	1.6	4
28	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.	1.5	61
29	Measurement of the jet mass in high transverse momentum $Z(\nu\bar{\nu})\gamma$ 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.	1.5	1
30	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.	2.9	7
31	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	37
32	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.	1.4	12
33	Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ 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	38
34	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.	1.6	18
35	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.	1.4	17
36	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb <sup>-1</sup> of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	19

#	ARTICLE	IF	CITATIONS
37	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. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
38	Search for Dark Matter Produced in Association with a Dark Higgs Boson Decaying into $W\hat{\pm}W$ or $Z\hat{\pm}Z$ in Fully Hadronic Final States. Longitudinal and Decorrelated. $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	2.9	6
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.	2.9	17
40	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.	1.6	14
41	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.	1.4	18
42	Measurement of the CP-violating phase $\phi_{sB_s}$ in $B_s \rightarrow J/\psi \phi$ 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 $W^+W^-$ and $W^+W^- + \gamma$ final states using 139 fb <sup>-1</sup> 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	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $W^+W^-$ and $W^+W^- + \gamma$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	26
47	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.	1.5	6
48	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2021, 103, .	1.6	64
49	Search for trilepton resonances from chargino and neutralino pair production in $s = 13$ TeV pp collisions with the ATLAS detector. Physical Review D, 2021, 103, .	1.6	2
50	Measurements of $W+W\hat{\nu} + \hat{\nu} + 1$ 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
51	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

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55	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
56	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\tau$ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
57	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 819-825.	6.5	8
58	Search for Displaced Leptons in $pp \rightarrow s + \ell + \ell + p$ collisions with the ATLAS Detector. Physical Review Letters, 2021, 127, 051802.	2.9	17
59	Test of the universality of $\tau$ , and $\tau$ lepton couplings in W-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 813-818.	6.5	15
60	Two-particle azimuthal correlations in photonuclear ultraperipheral $pA$ collisions at 5.02 TeV with ATLAS. Physical Review C, 2021, 104, .		
61	Search for supersymmetry in events with four or more charged leptons in $139 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
62	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
63	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
64	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
65	Measurement of the relative $B \rightarrow c$ production cross section with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.6	3
66	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
67	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
68	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
69	The ATLAS Fast Tracker system. Journal of Instrumentation, 2021, 16, P07006.	0.5	5
70	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	3
71	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
72	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

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73	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. Journal of Instrumentation, 2021, 16, P08025.	0.5	3
74	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark 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
75	Search for top-antitop pair production in $\sqrt{s} = 13$ TeV collision events at the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.6	4
76	Exclusive dimuon production in ultraperipheral collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review C, 2021, 104, .	1.1	11
77	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
78	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
79	Search for resonances decaying into photon pairs in $1.39 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 81, 1.	1.5	21
80	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.	1.6	14
81	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.	1.4	5
82	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	12
83	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
84	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
85	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
86	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
87	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
88	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
89	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
90	Search for Lepton-Flavor Violation in Z-Boson Decays with $\tau, \mu, e$ Leptons with the ATLAS Detector. Physical Review Letters, 2021, 127, 271801.	2.9	8

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91	Search for new phenomena in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2021, 104, .	1.6	25
92	Search for new phenomena in $p\bar{p}$ collisions in final states with tau leptons, jets, and missing transverse momentum with the ATLAS detector. Physical Review D, 2021, 104, .	1.6	14
93	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi K^* \mu^+ \mu^-$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
94	Combined measurements of Higgs boson production and decay using up to 80 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 101, .	1.5	14
95	Search for non-resonant Higgs boson pair production in the $b\bar{b}\gamma, 1/2, 1/2$ 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, 2020, 801, 135145.	1.5	13
96	Search for non-resonant Higgs boson pair production in the $b\bar{b}\gamma, 1/2, 1/2$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135145.	1.5	31
97	Searches for lepton-flavour-violating decays of the Higgs boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 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 <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135082.	1.5	10
99	Combination of searches for Higgs boson pairs in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135103.	1.5	53
100	Dijet Resonance Search with Weak Supervision Using $\sqrt{s} = 13$ TeV pp Collisions in the ATLAS Detector. Physical Review Letters, 2020, 125, 131801.	1.5	28
101	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	2.9	67
102	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $H \rightarrow \tau\tau$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.5	17
103	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
104	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
105	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $H \rightarrow \tau\tau$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	32
106	Measurement of the Higgs boson production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2020, 125, 131801.	1.5	12
107	Performance of the ATLAS muon triggers in Run 2. Journal of Instrumentation, 2020, 15, P09015-P09015.	0.5	62

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109	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. Journal of High Energy Physics, 2020, 2020, 1.	1.4	34
110	Properties of Higgs Boson Interactions with Top Quarks in the $t\bar{t}$ channel. Journal of High Energy Physics, 2020, 2020, 1.	2.9	40
111	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.	1.6	11
112	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.	1.6	17
113	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.	1.6	12
114	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	28
115	Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using $p\bar{p}$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	2.9	97
116	Searches for electroweak production of supersymmetric particles with compressed mass spectra in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	80
117	Measurement of the azimuthal anisotropy of charged-particle production in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.1	29
118	Search for direct stau production in events with two hadronic leptons in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
119	Measurements of soft-drop jet observables in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector and muon spectrometer. Physical Review D, 2020, 101, .	1.6	20
120	Measurements of top-quark pair spin correlations in the $se\mu\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.6	21
121	Measurements of top-quark pair spin correlations in the $se\mu\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	22
122	Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. Journal of Instrumentation, 2020, 15, P11016-P11016.	0.5	4
123	Search for low-mass spin-0 particles in the $b\bar{b}$ channel with the ATLAS detector using $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
124	Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector. Physical Review Letters, 2020, 125, 221802.	2.9	20
125	Higgs boson production cross-section measurements and their EFT interpretation in the $ell\ell$ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	41
126	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9



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127	Search for heavy neutral Higgs bosons produced in association with $b$ -quarks and decaying into $b$ -quarks at $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Physical Review D, 2020, 102, .	1.6	22
128	Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in $\sqrt{s} = 13$ TeV proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 102, .	1.6	22
129	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.	1.6	36
130	Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Physical Review D, 2020, 101, .	1.6	28
131	ATLAS data quality operations and performance for 2015–2018 data-taking. Journal of Instrumentation, 2020, 15, P04003-P04003.	0.5	68
132	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
133	Test of CP invariance in vector-boson fusion production of the Higgs boson in the $H \rightarrow \tau^+ \tau^-$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2020, 805, 135426.	1.5	22
134	Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in $\sqrt{s} = 13$ TeV Proton-Proton Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 124, 082301.	2.9	17
135	Measurement of the $\sigma(\text{start})$ 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
136	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.	1.6	19
137	Search for $\tau$ -lepton production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy, 2020, 805, 135426.	1.5	11
138	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 031802.	2.9	25
139	Search for $\text{toverline{t}}$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
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141	Search for resonances decaying into a weak vector boson and a Higgs boson in the fully hadronic final state produced in $\sqrt{s} = 13$ TeV proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 102, .	1.5	9
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143	Search for Heavy Resonances Decaying into a Photon and a Hadronically Decaying Higgs Boson in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 125, 251802.	2.9	6
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146	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.	1.4	124
147	Search for top squarks in events with a Higgs or Z boson using 139 fb of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	4
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161	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801.	2.9	133
162	Measurement of the $t\bar{t}$ and $Z$ production cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 1.	1.6	28

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164	Measurement of the production cross-section for a Higgs boson in association with a vector boson in the HAZ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134947.	1.5	13
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166	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
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170	Evidence for the production of three massive vector bosons with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134913.	1.5	10
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183	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, .	1.6	63
184	Performance of top-quark and $W$ -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	1.4	42
185	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, .	1.6	35
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187	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	0.5	37
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198	Search for pairs of highly collimated photon-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .	1.6	10

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200	Measurement of fiducial and differential $W^+W^-$ production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
201	Measurement of $W^+\mu^-$ and Z-boson production cross-sections in $pp$ collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	8
202	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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206	Dijet azimuthal correlations and conditional yields in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.1	14
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214	Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in $pp$ and $Pb-Pb$ collisions with the ATLAS detector at the CERN Large Hadron Collider. Physical Review C, 2018, 97, 014901.	1.1	46
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236	Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 557-577.	1.6	13
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238	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, 776, 318-337.	1.5	17
239	Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 318-337.	1.5	13
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242	Search for Higgs boson pair production in the $\gamma\gamma WW$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	1.4	53
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246	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.	2.9	145
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251	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	30
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254	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.	1.4	181
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256	Search for pair production of heavy vectorlike quarks decaying into hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 903.	1.6	29
257	Search for pair production of heavy vectorlike quarks decaying into hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 903.	1.6	14
258	Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	41
259	Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $\sqrt{s}=4$ TeV. Journal of Instrumentation, 2018, 13, P12006-P12006.	0.5	2
260	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125
261	Search for production of Higgs bosons in final states with at least three b-tagged jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.6	20
262	Measurements of Higgs boson properties in the diphoton decay channel with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	115
263	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	1.4	25
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267	Combined measurement of differential and total cross sections in the $H \rightarrow \tau^+ \tau^-$ and the $H \rightarrow \tau^+ \tau^- Z \rightarrow \tau^+ \tau^- 4a, \dots$ decay channels at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 134-155.	1.6	42
268	Searches for exclusive Higgs and Z boson decays into $J/\psi \psi$ , $\Upsilon(2S) \psi$ , and $\Upsilon(nS) \psi$ at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 134-155.	1.6	26
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270	Searches for heavy resonances decaying into bosonic and leptonic final states using proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.6	39



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282	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	1.4	79
283	Search for top squarks decaying to tau sleptons in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	9
284	Measurement of jet fragmentation in Pb-Pb and $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Physical Review D, 2018, 98, .	1.1	24
285	Measurement of the Soft-Drop Jet Mass in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Physical Review Letters, 2018, 121, 092001.	2.9	33
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287	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 625.	1.4	27

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291	Search for $B^0$ $\rightarrow$ $\mu^+\mu^-$ decays in $\sqrt{s}=13$ TeV pp collisions with the ATLAS experiment. Physical Review D, 2018, 97, .	2.9	53
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293	Search for a Structure in the Invariant Mass Spectrum with the ATLAS Experiment. Physical Review Letters, 2018, 120, 202007.	1.6	49
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302	Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector. Nuclear Physics A, 2018, 978, 65-106.	0.6	21
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333	Measurement of $D_{\text{eff}}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .	1.6	23
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405	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
406	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
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417	Momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2016, 94.	1.6	44
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435	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	1.5	19
436	Measurement of the total cross section from elastic scattering in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	1.5	19
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439	Search for single production of vector-like quarks decaying into $Wb$ in $pp$ collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	1.4	43
440	Measurement of the top quark mass in the $Wb$ decay channel and branching via $Wb \rightarrow T\bar{b}$ using $pp$ collision data recorded at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	1.5	52
441	Measurement of the top quark mass in the $Wb$ decay channel and branching via $Wb \rightarrow T\bar{b}$ using $pp$ collision data recorded at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 555-574.	1.5	53
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447	Search for the electroweak production of supersymmetric particles in $pp$ collisions with the ATLAS detector. Physical Review Letters, 2016, 117, 111802.	1.6	29
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452	cross sections in $\text{pp} \rightarrow \text{W} \hat{+} \text{Z} \rightarrow \text{product}$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, . Measurements of $\sigma(\text{pp} \rightarrow \text{W} \hat{+} \text{Z} \rightarrow \text{product})$	1.6	53
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454	Measurements of $\sigma(\text{pp} \rightarrow \text{W} \hat{+} \text{Z} \rightarrow \text{product})$ in $\text{pp} \rightarrow \text{W} \hat{+} \text{Z} \rightarrow \text{product}$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, . Measurements of $\sigma(\text{pp} \rightarrow \text{W} \hat{+} \text{Z} \rightarrow \text{product})$	1.6	39
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457	Collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, . Measurement of the $\sigma(\text{pp} \rightarrow \text{W} \hat{+} \text{Z} \rightarrow \text{product})$ and $\sigma(\text{pp} \rightarrow \text{W} \hat{+} \text{Z} \rightarrow \text{product})$	2.9	228
458	Measurement of the $\sigma(\text{pp} \rightarrow \text{W} \hat{+} \text{Z} \rightarrow \text{product})$ production cross-section using $e^+e^-$ events with b-tagged jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, . Measurement of the $\sigma(\text{pp} \rightarrow \text{W} \hat{+} \text{Z} \rightarrow \text{product})$	1.5	57
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494	Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
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514	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \rightarrow J/\psi D_s^+ \pi^+ \pi^-$ and $B_c^+ \rightarrow J/\psi D_s^+ \pi^+ \pi^-$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	1.4	40
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521	Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	91
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667	Measurement of event-plane correlations in $pp$ collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	134
668	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in $pp$ collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	126
669	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in $pp$ collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	48
670	Search for top squark pair production in final states with one isolated lepton, jets, 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	66
671	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010. <i>European Physical Journal C</i> , 2014, 74, 3034.	1.4	58
672	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	172
673	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. <i>European Physical Journal C</i> , 2014, 74, 3134.	1.4	48
674	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3157.	1.4	68
675	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.	1.4	46
676	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	41
677	Measurement of the production cross-section of $\tilde{t}(2S) \rightarrow J/\psi(\tilde{t} \rightarrow \frac{1}{4} + \frac{1}{4} \tilde{a}^{\prime\prime}) \tilde{\chi}^0 + \tilde{\chi}^{\pm} \tilde{a}^{\prime\prime}$ in $pp$ collisions at $\sqrt{s} = 7$ TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	21
678	Measurement of the $Z/\tilde{\chi}^0$ boson transverse momentum distribution in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	131
679	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	38
680	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	45
681	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	47
682	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	35
683	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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics</i> , 2014, 732, 8-27.	1.6	47
684	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	42

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685	Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.5	8
686	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	40
687	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
688	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
689	Measurement of the underlying event in jet events from $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	1.4	23
690	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
691	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
692	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
693	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
694	Measurement of the production cross section of prompt $J/\psi$ 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
695	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
696	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
697	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	145
698	Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \tau\tau$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
699	Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
700	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
701	Search for direct top-quark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
702	Measurement of $\chi_{c1}$ and $\chi_{c2}$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	32



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704	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. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
705	Search for direct top squark pair production in events with a Z boson, b-jets and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	1.4	55
706	Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 562-578.	1.5	15
707	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
708	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
709	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
710	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	137
711	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\tilde{\chi}^0_1$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
712	Search for charged Higgs bosons through the violation of lepton universality in $t \rightarrow b + \tau + \nu_\tau$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	19
713	Measurement of K T splitting scales in $W \rightarrow \tau \nu_\tau$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
714	Search for a light charged Higgs boson in the decay channel $H^{\pm} \rightarrow c \bar{s}$ in $t \rightarrow b + \tau + \nu_\tau$ events using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2465.	1.4	119
715	Search for high-mass resonances decaying to $Z + \tau \nu_\tau$ 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, 242-260.	1.5	21
716	Measurement of the high-mass Drell-Yan 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, 719, 242-260.	1.5	21
717	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
718	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
719	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

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721	Search for $t$ resonances in the lepton plus jets final state with ATLAS using $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
722	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
723	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
724	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
725	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
726	Improved luminosity determination in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
727	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s}=2.76$ TeV and comparison to the inclusive jet cross-section at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2509.	1.4	105
728	Multi-channel search for squarks and gluinos in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	1.4	34
729			

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739	Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 730, 13-21.	1.5	169
740	Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 875, 483-535.	0.9	33
741	Search for pair production of heavy top-like quarks decaying to a high-pT lepton plus jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 875, 483-535.	1.5	169
742	Search for pair production of heavy top-like quarks decaying to a high-pT lepton plus jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 875, 483-535.	1.5	40
743	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, 729, 317-323.	1.5	14
744	Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 732, 305-323.	1.4	61
745	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	45
746	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.	1.4	45
748	Search for new phenomena in the $W^+W^- + \text{jets}$ final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.4	15
749	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	45
750	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	209
751	Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	1.4	45
752	Measurement of the $\tau$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	2.9	57
753	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, 202002.	1.2	23
754	Search for excited electrons and muons in $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. New Journal of Physics, 2013, 15, 093011.	1.2	147
755	Measurement of hard double-parton interactions in $W + \text{jets}$ + 2-jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	1.2	15
756	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.		

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758	Search for resonant diboson production in the $WW/WZ$ decay channels with the ATLAS detector at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review D</i> , 2013, 87, .	1.6	18
759	Observation of Associated Near-Side and Away-Side Long-Range Correlations in $pp$ collisions at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review Letters</i> , 2013, 110, 212301.	2.9	112
760	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $R_{\text{DIPHO}}^{\text{miss}}$ . <i>Physical Review D</i> , 2013, 87, .	1.6	112
761	Measurement of $\epsilon$ production in $pp$ collisions at ATLAS. <i>Physical Review D</i> , 2013, 87, .	1.6	78
762	Search for nonpointing photons in the diphoton and $pp$ collisions at ATLAS. <i>Physical Review D</i> , 2013, 87, .	1.6	16
763	Search for long-lived stopped $R$ -hadrons decaying out of time with $pp$ collisions at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review Letters</i> , 2013, 110, 212301.	2.9	105
764	Search for long-lived stopped $R$ -hadrons decaying out of time with $pp$ collisions using the ATLAS detector. <i>Physical Review D</i> , 2013, 87, .	1.6	57
765	Search for $Z$ boson production in $pp$ collisions at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review Letters</i> , 2013, 110, 212301.	1.6	35
766	Measurement of $Z$ Boson Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2013, 110, 022301.	2.9	63
767	Search for $W$ boson production in $pp$ collisions at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review Letters</i> , 2013, 110, 212301.	1.6	76
768	Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. <i>Physical Review D</i> , 2013, 88, .	1.6	14
769	Search for new phenomena in events with three charged leptons at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review Letters</i> , 2013, 110, 212301.	1.6	14
770	Measurements of $W$ boson production in $pp$ collisions at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review Letters</i> , 2013, 110, 212301.	1.6	60
771	Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2013, 111, 152301.	2.9	59
772	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in $pp$ Collisions at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review Letters</i> , 2012, 108, 241802.	2.9	37
773	Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review Letters</i> , 2012, 109, 211802.	2.9	63
774	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in $pp$ Collisions at $\sqrt{s} = 7, 8$ TeV. <i>Physical Review Letters</i> , 2012, 108, 181802.	2.9	61

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775	ATLAS measurements of the properties of jets for boosted particle searches. Physical Review D, 2012, 86	1.6	21
776	Search for Pair Production of a Heavy Up-Type Quark Decaying to a $W$ Boson and a $q$ Quark in the $\sqrt{s} = 7$ TeV $pp$ Collisions at the ATLAS Detector. Physical Review D, 2012, 86, .	2.9	31
777	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	2.9	80
778	Underlying event characteristics and their dependence on jet size of charged-particle jet events in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	135
779	Measurement of the azimuthal anisotropy for charged particle production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review C, 2012, 86, .	1.6	45
780	Search for Pair Production of a New Quark that Decays into a $Z$ Boson and a Bottom Quark with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.	2.9	26
781	Measurement of the cross section for $W$ boson production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 109, 012001.	1.1	365
782	Further search for supersymmetry at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 108, 261804.	2.9	117
783	Determination of the Strange-Quark Density of the Proton from ATLAS Measurements of the $W$ Boson and $\Lambda$ Production in $pp$ Collisions. Physical Review Letters, 2012, 109, 032001.	2.9	12
784	Search for Production of Resonant States in the Photon-Jet Mass Distribution Using $pp$ Collisions at $\sqrt{s} = 7$ TeV Collected by the ATLAS Detector. Physical Review Letters, 2012, 108, 211802.	2.9	12
785	Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $pp$ Collisions with the ATLAS Detector. Physical Review Letters, 2012, 108, 261804.	2.9	33
786	Search for pair-produced heavy quarks decaying to $W$ bosons in the two-lepton channel at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 109, 032001.	1.6	23
787	Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying $W$ Bosons. Physical Review Letters, 2012, 109, 032001.	2.9	40
789	Search for resonant $WZ$ production in the $WZ \rightarrow \ell\bar{\ell} \gamma \gamma$ channel in $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	47
790	Measurement of the cross section for top-quark pair production in $pp$ collisions at $\sqrt{s} = 7$ TeV using final states with two high- $p_T$ leptons. Journal of High Energy Physics, 2012, 2012, 1.	1.6	12
791	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
792		1.6	88

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794	A search for $t$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	40
795	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	43
796	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
797	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	54
798	Time-dependent angular analysis of the decay $B_s \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ and extraction of $\arg(\lambda)$ and the CP-violating weak phase $\beta_s$ by ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	23
799	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	48
800	Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
801	Measurement of the inclusive cross section for the production of a pair of massive particles decaying into two quarks and a gluon in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	31
802	Measurement of the inclusive cross section for the production of a pair of massive particles decaying into two quarks and a gluon in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	31
803	Search for scalar top quark pair production in natural gauge mediated supersymmetry models 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, 2012, 713, 387-407.	1.6	37
804	A Particle Consistent with the Higgs Boson Observed with the ATLAS Detector at the Large Hadron Collider. Science, 2012, 338, 1576-1582.	6.0	74
805	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s} = 7$ TeV pp collisions using 1 fb <sup>-1</sup> of ATLAS data. Physical Review D, 2012, 85, 112001.	1.6	57
806	Measurement of the b-hadron production cross section using decays to $D^* \mu^+ \mu^-$ final states in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2012, 864, 341-381.	0.9	31
807	Search for the decay $B_s \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	1.5	59
808	Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	12
809	Search for scalar top quark pair production in natural gauge mediated supersymmetry models 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, 2012, 713, 387-407.	1.5	6
810	Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	17

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811	Search for the Standard Model Higgs boson in the $\mu\mu$ channel with the ATLAS detector at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-29.	1.5	14
812	Evidence for the associated production of a $W$ boson and a top quark in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-29.	1.5	6,386
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816	Rapidity gap cross sections measured with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	100
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