

# Ahmed Bassalat

## List of Publications by Year in descending order

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709  
papers

34,446  
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3731

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726  
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726  
docs citations

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times ranked

11071  
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.	4.1	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.	2.9	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, .	4.7	2
4	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	3.9	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, .	3.9	14
6	Operation and performance of the ATLAS semiconductor tracker in LHC Run 2. Journal of Instrumentation, 2022, 17, P01013.	1.2	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.	4.7	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.	4.7	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.	3.9	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.	4.7	10
11	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	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.	3.9	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.	3.9	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.	4.1	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.	4.1	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, .	3.9	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.	4.1	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, .	3.9	2

#	ARTICLE	IF	CITATIONS
19	Search for resonant pair production of Higgs bosons in the $Z(\gamma) \rightarrow b\bar{b}$ channel in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2022, 105, .	4.7	10
20	Constraints on Higgs boson production with large transverse momentum using $Z(\gamma) \rightarrow b\bar{b}$ decays in the ATLAS detector. <i>Physical Review D</i> , 2022, 105, .	4.7	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.	3.9	12
22	Search for single production of a vectorlike $T$ 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, .	4.7	10
23	Search for single production of a vectorlike $T$ 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, .	2.9	6
24	Search for long-lived charginos based on a disappearing-track signature using $136 \text{ fb}^{-1}$ of $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022, 82, .	3.9	13
25	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, .	3.9	3
26	Measurement of hadronic event shapes in high- $p_T$ multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	4
27	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.	4.1	61
28	Measurement of the jet mass in high transverse momentum $Z(\gamma) \rightarrow b\bar{b}$ 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.	4.1	1
29	Medium-Induced Modification of $Z$ -Tagged Charged Particle Yields in $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2021, 126, 072301.	7.8	7
30	Search for squarks and gluinos in final states with jets and missing transverse momentum using $139 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV $pp$ collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	37
31	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.	3.9	12
32	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.	3.9	38
33	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.	4.7	18
34	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.	3.9	17
35	Measurement of light-by-light scattering and search for axion-like particles with $2.2 \text{ nb}^{-1}$ of $Pb+Pb$ data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	19
36	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.	4.7	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.	7.8	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.	7.8	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.	4.7	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.	4.7	22
41	Measurement of the CP-violating phase $\phi_{s1}$ in $B_s \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, .	3.9	18
42	Measurement of the CP-violating phase $\phi_{s1}$ in $B_s \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, .	3.9	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.	3.9	15
44	Search for heavy resonances decaying into a pair of Z bosons in the $pp$ final states using 139 fb of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	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.	4.7	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.	4.1	17
47	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $pp$ final states using 13 TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	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.	4.1	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.	4.7	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, .	4.7	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, .	4.7	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.	4.7	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.	4.7	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.	3.9	14

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55	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\bar{l}_\nu$ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
56	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 819-825.	16.7	8
57	Search for Displaced Leptons in $\sqrt{s} = 13$ TeV pp Collisions with the ATLAS Detector. Physical Review Letters, 2021, 127, 051802.	7.8	17
58	Test of the universality of $\bar{l}_\nu$ , and $\hat{1}/4$ lepton couplings in W-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 813-818.	16.7	15
59	Two-particle azimuthal correlations in photonuclear ultraperipheral $Pb-Pb$ collisions at 5.02 TeV with ATLAS. Physical Review C, 2021, 104, .	4.7	12
60	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.	4.7	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.	4.7	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.	4.7	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.	4.7	5
64	Measurement of the relative $B_c \rightarrow B \Delta^{\pm}$ production cross section with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	4.7	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.	3.9	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.	1.2	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.	3.9	13
68	The ATLAS Fast Tracker system. Journal of Instrumentation, 2021, 16, P07006.	1.2	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.	3.9	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.	3.9	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.	4.1	8
72	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. Journal of Instrumentation, 2021, 16, P08025.	1.2	3



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73	Measurements of the inclusive and differential production cross sections of a top-quark $\bar{t}$ antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	12
74	Search for resonances decaying into photon pairs in $\sqrt{s} = 13$ TeV 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.	4.7	4
75	Exclusive dimuon production in ultraperipheral collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review C, 2021, 104, .	2.9	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.	7.8	14
77	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	9
78	Search for resonances decaying into photon pairs in $\sqrt{s} = 13$ TeV 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.	4.1	21
79	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.	4.7	14
80	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.	3.9	5
81	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
82	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.	3.9	7
83	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.	4.7	10
84	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.	4.7	10
85	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.	4.7	4
86	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.	4.7	4
87	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.	3.9	28
88	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	3.9	7
89	Search for Lepton-Flavor Violation in Z-Boson Decays with Leptons with the ATLAS Detector. Physical Review Letters, 2021, 127, 141801.	7.8	8
90	Search for charginos and neutralinos in final states with two boosted hadronically decaying bosons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV with t. Physical Review D, 2021, 104, .	4.7	25

#	ARTICLE	IF	CITATIONS
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, 1.	4.7	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.	4.7	3
93	Combined measurements of Higgs boson production and decay using up to $80 < \sqrt{s} >$ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2020, 102, 103114.	4.1	24
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.	4.1	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, 103114.	4.1	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, 103114.	4.1	31
97	Searches for lepton-flavour-violating decays of the Higgs boson in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135069.	4.1	30
98	Search for flavour-changing neutral currents in processes with one top quark and a photon using $81 \text{ fb}^{-1}$ of $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135082.	4.1	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.	4.1	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, 135113.	4.1	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.	7.8	67
102	Measurement of the Higgs boson 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, 135069.	4.1	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.	4.7	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.	4.7	24
105	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4\ell$ decay channel at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	32
106	Measurement of the Higgs boson production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2020, 102, 103114.	4.1	12
107	Performance of the ATLAS muon triggers in Run 2. <i>Journal of Instrumentation</i> , 2020, 15, P09015-P09015.	1.2	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.	3.9	34

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109	<p>Properties of Higgs Boson Interactions with Top Quarks in the <math>\chi\chi</math> channel with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p> <p>Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using <math>\chi\chi</math> Collisions at <math>\sqrt{s} = 13</math> TeV. Physical Review Letters, 2020, 125, 221802.</p>	7.8	40
110	<p>Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at <math>\sqrt{s} = 13</math> TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	4.7	11
111	<p>Search for the HH <math>\rightarrow</math> b<math>\bar{b}</math> process via vector-boson fusion production using proton-proton collisions at <math>\sqrt{s} = 13</math> TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	4.7	17
112	<p>Observation of the associated production of a top quark and a Z boson in pp collisions at <math>\sqrt{s} = 13</math> TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	4.7	12
113	<p>Searches for electroweak production of supersymmetric particles with compressed mass spectra in <math>\chi\chi</math> collisions at <math>\sqrt{s} = 13</math> TeV. Physical Review Letters, 2020, 125, 221802.</p>	7.8	97
114	<p>Searches for electroweak production of supersymmetric particles with compressed mass spectra in <math>\chi\chi</math> collisions with the ATLAS detector. Physical Review D, 2020, 101, 113005.</p>	4.7	80
115	<p>Measurement of the azimuthal anisotropy of charged-particle production in <math>\chi\chi</math> collisions at <math>\sqrt{s} = 13</math> TeV with the ATLAS detector. Physical Review D, 2020, 101, 113005.</p>	2.9	29
116	<p>Search for direct stau production in e<math>\bar{e}</math> events with two hadronic leptons in <math>\chi\chi</math> collisions at <math>\sqrt{s} = 13</math> TeV. Physical Review Letters, 2020, 125, 221802.</p>	4.7	33
117	<p>Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using <math>\chi\chi</math> Collisions at <math>\sqrt{s} = 13</math> TeV. Physical Review Letters, 2020, 125, 221802.</p>	4.7	20
118	<p>Measurement of soft-drop jet observables in <math>\chi\chi</math> collisions with the ATLAS detector at <math>\sqrt{s} = 13</math> TeV. Physical Review D, 2020, 101, 113005.</p>	4.7	21
119	<p>Measurements of top-quark pair spin correlations in the <math>\chi\chi</math> channel at <math>\sqrt{s} = 13</math> TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.</p>	3.9	22
120	<p>Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. Journal of Instrumentation, 2020, 15, P11016-P11016.</p>	1.2	4
121	<p>Search for Higgs boson decays into two new low-mass spin-0 particles in the <math>\chi\chi</math> channel with the ATLAS detector using <math>\chi\chi</math> collisions at <math>\sqrt{s} = 13</math> TeV. Physical Review Letters, 2020, 125, 221802.</p>	4.7	17
122	<p>Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using <math>\chi\chi</math> Collisions at <math>\sqrt{s} = 13</math> TeV. Physical Review Letters, 2020, 125, 221802.</p>	7.8	20
123	<p>Higgs boson production cross-section measurements and their EFT interpretation in the <math>\chi\chi</math> decay channel at <math>\sqrt{s} = 13</math> TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.</p>	3.9	41
124	<p>Search for heavy neutral Higgs bosons produced in association with <math>\chi\chi</math>-quarks and decaying into <math>\chi\chi</math>-quarks at <math>\sqrt{s} = 13</math> TeV. Physical Review Letters, 2020, 125, 221802.</p>	4.7	22
125	<p>Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using <math>\chi\chi</math> Collisions at <math>\sqrt{s} = 13</math> TeV. Physical Review Letters, 2020, 125, 221802.</p>	4.7	22
126	<p>Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in <math>\chi\chi</math> = 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.</p>	4.7	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 collisions with the ATLAS detector. Physical Review D, 2020, 101, .	4.7	28
128	ATLAS data quality operations and performance for 2015–2018 data-taking. Journal of Instrumentation, 2020, 15, P04003-P04003.	1.2	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.	7.8	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.	4.1	22
131	Search for $\chi_{1,2}^0$ production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135426.	7.8	17
132	Measurement of the $\sigma$ 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, .	3.9	26
133	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb <sup>-1</sup> of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
134	Z boson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 1352201.	4.1	11
135	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.	7.8	25
136	Search for $\overline{t}t$ 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.	4.7	14
137	Reconstruction and identification of boosted $d\bar{t}$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1.	4.7	8
138	Evidence for electroweak production of two jets in association with a $Z\tau^+\tau^-$ pair in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 1352201.	4.1	9
139	Search for $\tau^+\tau^-$ production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 102, .	4.7	14
140	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.	7.8	6
141	Observation and Measurement of Forward Proton Scattering in Association with Lepton Pairs Produced via the Photon Fusion Mechanism at ATLAS. Physical Review Letters, 2020, 125, 261801.	7.8	22
142	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	3.9	93
143	Search for top squarks in events with a Higgs or Z boson using 139 fb <sup>-1</sup> of $pp$ collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	4
144	Evidence for $\tau^+\tau^-$ production in the multilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	30

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145	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	29
146	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	36
147	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	3.9	12
148	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	15
149	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s}=13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	49
150	Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	7.8	23
151	Search for heavy charged long-lived particles in the ATLAS detector in $\sqrt{s}=13$ TeV proton-proton collisions with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 130001.	4.1	196
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, 035011.	4.7	21
153	Search for heavy charged long-lived particles in the ATLAS detector in $\sqrt{s}=13$ TeV proton-proton collisions with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 130001.	4.7	22
154	Search for heavy charged long-lived particles in the ATLAS detector in $\sqrt{s}=13$ TeV proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 130001.	4.7	155
155	Observation of Light-by-Light Scattering in Ultraperipheral $\sqrt{s}=13$ TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2019, 123, 052001.	7.8	75
156	Measurement of prompt photon production in $\sqrt{s}=13$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 130001.	4.1	10
157	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801.	7.8	133
158	Measurement of the $t\bar{t}Z$ cross sections in $\sqrt{s}=13$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 130001.	4.7	28
159	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H\bar{a}a$ at $\sqrt{s}=13$ TeV, $H\bar{a}a$ , $H\bar{a}a$ , $H\bar{a}a$ 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, 811, 130001.	4.1	22
160	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H\bar{a}a$ at $\sqrt{s}=13$ TeV, $H\bar{a}a$ , $H\bar{a}a$ , $H\bar{a}a$ 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, 811, 130001.	4.1	13
161	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H\bar{a}a$ at $\sqrt{s}=13$ TeV, $H\bar{a}a$ , $H\bar{a}a$ , $H\bar{a}a$ channel in pp collisions with the ATLAS detector at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 130001.	4.1	39
162	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.	3.9	24

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163	Observation of jet fragmentation using charged particles measured 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, 2019, 798, 134913.	4.7	9
164	Observation of Electroweak Production of a Same-Sign Boson Pair in Association with Two Jets 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, 134913.	7.8	53
165	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	77
166	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.	4.1	10
167	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 347-370.	4.1	9
168	Search for long-lived particles in final states with displaced dimuon vertices in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, 072002.	4.7	20
169	Correlated long-range mixed-harmonic fluctuations measured in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 444-471.	4.1	25
170	Observation of electroweak $W^+Z$ boson pair production in association with two jets 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, 134913.	4.1	38
171	Search for invisible Higgs boson decays in vector boson fusion at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 499-519.	4.7	9
172	Combinations of single-top-quark production cross-section measurements and $ f_{LVtb} $ determinations at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments. Journal of High Energy Physics, 2019, 2019, 1.	4.7	9
173	Measurement of $VH$ , $H \rightarrow b\bar{b}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
174	Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}$ production with additional heavy-flavour jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
175	Measurement of the four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
176	Search for heavy long-lived multicharged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, 072002.	4.7	11
177	Measurement of the cross-sections of $g \rightarrow b\bar{b}$ and $g \rightarrow c\bar{c}$ at small opening angles 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, 134913.	4.7	6
178	Cross-section measurements of the Higgs boson decaying into a pair of $\tau$ -leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, 072002.	4.7	63
179	Performance of top-quark and $W$ -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	3.9	42
180	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, 072002.	4.7	35

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182	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	1.2	37
183	Search for four-top-quark production in the single-photon and opposite-sign dilepton final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 595-614.	4.7	13
184	Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $\sqrt{s}=13$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 595-614.	4.7	13
185	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	3.9	61
186	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	28
187	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1.	3.9	46
188	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. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
189	Measurement of the nuclear modification factor for inclusive jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 105-125.	4.1	46
190	Search for pair production of Higgs bosons in the $b\bar{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	55
191	Measurement of the gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow \tau\tau$ decay 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, 789, 508-529.	4.1	46
192	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, .	4.7	10
193	Search for squarks and gluinos in final states with hadronically decaying leptons, jets, and missing transverse momentum using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 105-125.	4.7	13
194	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.	3.9	24
195	Measurement of $W^+W^-$ -boson 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.	3.9	8
196	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.	3.9	9
197	Electron and photon performance measurements with the ATLAS detector using the 2015–2017 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P12006-P12006.	1.2	124
198	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	130



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200	Dijet azimuthal correlations and conditional yields in $\sqrt{s}=13$ TeV pp collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 1-10.	2.9	14
201	Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from $\sqrt{s}=13$ TeV pp collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 1-10.	4.7	15
202	Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from $\sqrt{s}=13$ TeV pp collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 1-10.	4.7	43
203	Measurements of top-quark pair differential and double-differential cross-sections in the $\sqrt{s}=13$ TeV $pp \rightarrow t\bar{t} + \text{jets}$ channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1-10.	3.9	34
204	Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet 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, 799, 1-10.	4.1	31
205	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}1/41/4$ final state in pp collision at $\sqrt{s}=13$ TeV using an ionisation measurement with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 1-10.	4.1	20
206	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}1/41/4$ final state in pp collision at $\sqrt{s}=13$ TeV using an ionisation measurement with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 1-21.	4.1	20
207	Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and pp collisions with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 167-190.	4.1	28
208	Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in $\sqrt{s}=13$ TeV pp collisions at the ATLAS detector. Physical Review D, 2018, 97, 014004.	2.9	46
209	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s}=13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	7.8	50
210	Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. Physical Review D, 2018, 97, 014004.	4.7	51
211	A search for resonances decaying into a Higgs boson and a new particle X in the $XH\rightarrow q\bar{q}bb$ final state with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 24-45.	4.1	8
212	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in $\sqrt{s}=13$ TeV pp collisions at the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	116
213	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s}=13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
214	Measurement of the W-boson mass in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	3.9	218
215	Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 303-323.	4.1	12
216	Measurement of the exclusive $1/4+1/4$ process in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 303-323.	4.1	12

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217	Search for diboson resonances with boson-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 91-113.	3.9	13
218	Search for new phenomena in high-mass final states with a photon and a jet from $\sqrt{s} = 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 102.	3.9	13
219	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	3.9	52
220	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0 TeV. European Physical Journal C, 2018, 78, 142.	3.9	59
221	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	3.9	75
222	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186.	3.9	20
223	Search for heavy ZZ resonances in the $ee \rightarrow e\ell^+e\ell^-e\ell^+e\ell^-$ final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	3.9	101
224	A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	3.9	66
225	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
226	Search for heavy resonances decaying into WW in the $e\mu^+e\mu^-$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	3.9	108
227	Direct top-quark decay width measurement in the $t \rightarrow b\tau^+\tau^-$ lepton+jets channel at $\sqrt{s} = 8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	3.9	17
228	Search for W/WZ resonance production in $qq$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31
229	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\tau$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	46
230	Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 578-602.	4.1	19
231	Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 557-577.	4.1	19
232	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, 780, 578-602.	4.1	19
233	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, 780, 578-602.	4.1	19
234	Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 318-337.	4.1	54

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235	Production and integration of the ATLAS Insertable B-Layer. Journal of Instrumentation, 2018, 13, T05008-T05008.	1.2	260
236	Prompt and non-prompt $\psi(2S)$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	3.9	19
237	Search for Higgs boson pair production in the $\gamma\gamma \rightarrow W^+W^-$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	3.9	53
238	Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	3.9	16
239	Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Physical Review C, 2018, 98, 034907.	2.9	12
240	Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 68-88.	1.8	18
241	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in Pb+Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review Letters, 2018, 121, 212301.	7.8	145
242	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb $^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Search for lepton-flavor-violating decays of the Z boson into a $Z$ boson and a lepton. Journal of High Energy Physics, 2018, 2018, 1.	7.8	41
243	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb $^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Search for lepton-flavor-violating decays of the Z boson into a $Z$ boson and a lepton. Journal of High Energy Physics, 2018, 2018, 1.	3.9	50
244	Search for pair and single production of vectorlike quarks in final states with at least one lepton and a light lepton. Decay Channel in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
245	Search for pair and single production of vectorlike quarks in final states with at least one lepton and a light lepton. Decay Channel in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	7.8	70
246	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.	4.7	30
247	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, 903.	3.9	51
248	Search for pair and single production of vectorlike quarks in final states with at least one lepton and a light lepton. Decay Channel in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	32
249	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 903.	3.9	181
250	Measurement of dijet azimuthal decorrelations in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, 034004.	4.7	8
251	Search for lepton-flavor violation in different-flavor, high-mass final states in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, 034004.	4.7	29
252	Search for lepton-flavor violation in different-flavor, high-mass final states in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, 034004.	4.7	14



#	ARTICLE	IF	CITATIONS
253	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. <i>Physical Review D</i> , 2018, 98, 074011.	4.7	41
254	Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $\sqrt{s}=4$ TeV. <i>Journal of Instrumentation</i> , 2018, 13, P12006-P12006.	1.2	2
255	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 995.	3.9	125
256	Search for pair production of Higgsinos in final states with at least three b-tagged jets in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2018, 121, 151801.	4.7	20
257	Search for pair production of Higgsinos in final states with at least three b-tagged jets in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2018, 121, 151801.	4.7	115
258	Operation and performance of the ATLAS Tile Calorimeter in Run 1. <i>European Physical Journal C</i> , 2018, 78, 987.	3.9	25
259	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	37
260	Search for heavy resonances decaying to a photon and a hadronically decaying $Z$ boson in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2018, 121, 151801.	4.7	13
261	Search for heavy resonances decaying to a photon and a hadronically decaying $Z$ boson in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2018, 121, 151801.	4.7	18
262	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb <sup>-1</sup> of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	48
263	Combined measurement of differential and total cross sections in the $H \rightarrow \tau^+ \tau^-$ and the $H \rightarrow Z Z \rightarrow 4\ell$ decay channels at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 786, 134-155.	4.7	42
264	Searches for exclusive Higgs and Z boson decays into $J/\psi$ , $\psi(2S)$ , and $\psi(nS)$ at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 786, 134-155.	4.7	20
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267	Combined searches for heavy resonances decaying into a photon and a lepton in final states using 36 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018, 98, 074011.	4.7	39
268	Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \rightarrow 4\ell$ and $ZZ \rightarrow 2\ell 2\nu$ final states with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 786, 223-244.	4.1	43
269	Prompt and non-prompt $\psi(2S)$ and $\psi(1S)$ suppression at high transverse momentum in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2018, 78, 762.	3.9	61
270	Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark Production in $\sqrt{s}=13$ TeV Collisions at the ATLAS Detector. <i>Physical Review Letters</i> , 2018, 121, 152002.	7.8	16



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272	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31
273	Search for flavor-changing neutral currents in top quark decays $t \rightarrow Hc$ and $t \rightarrow Hu$ in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	4.7	17
274	Measurement of the Higgs boson mass in the $H \rightarrow \tau^+ \tau^- Z$ and $H \rightarrow \tau^+ \tau^- \gamma$ channels with $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 345-366.	4.7	16
275	Search for exclusive Higgs and Z boson decays to $\tau^+ \tau^-$ and $\tau^+ \tau^- \gamma$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
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277	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
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279	Measurement of the inclusive and fiducial $t \bar{t} \gamma$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	3.9	10
280	Search for R-parity-violating supersymmetric particles in multi-jet final states produced in $p \bar{p}$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 136-158.	4.7	26
281	Search for low-Mass Dijet Resonances Using Trigger-level Jets with the ATLAS Detector in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Physical Review D, 2018, 98, .	4.7	26
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283	Search for top squarks decaying to tau sleptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Physical Review Letters, 2018, 121, 081801.	3.9	79
284	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.	4.7	9
285	Measurement of jet fragmentation in Pb-Pb and $p$ -Pb collisions at $\sqrt{s}=2.76$ and $\sqrt{s}=7.69$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 136-158.	2.9	24
286	Measurement of the Soft-Drop Jet Mass in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Physical Review Letters, 2018, 121, 092001.	7.8	33
287	Search for supersymmetry in events with four or more leptons in $\sqrt{s}=13$ TeV pp collisions with ATLAS. Physical Review D, 2018, 98, .	4.7	21
288	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.	3.9	27

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291	Search for $B^0$ L R -parity-violating top squarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS experiment. Physical Review D, 2018, 97, .	4.7	12
292	Search for the standard model Higgs boson produced in association with top quarks and decaying into a $b\bar{b}$ pair in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 750-767.	4.7	49
293	Search for a Structure in the Invariant Mass Spectrum with the ATLAS Experiment. Physical Review Letters, 2018, 120, 202007.	4.7	17
294	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	136
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301	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $4\ell$ , $4\mu$ , $2\ell 2q$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 392-414.	4.7	29
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.	1.5	21
303	Search for $W\tau\nu$ decays in the hadronic final state using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 327-348.	4.1	20
304	Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 28-31.	4.1	169
305	Measurements of differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 750-767.	4.7	22
306	Measurements of differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 750-767.	4.7	22

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310	Search for new resonances decaying to a W or Z boson and a Higgs boson in the $\text{t}\hat{A}^0$ channel with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 132-153.	4.1	21
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312	Measurement of the $\text{t}\hat{A}^0$ and $\text{t}\hat{W}$ production cross sections in multilepton final states using 3.2 fb <sup>-1</sup> of $\text{pp}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	3.9	41
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314	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
315	Search for heavy resonances decaying to a Z boson 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, 2017, 764, 11-20.	4.1	21
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317	Measurement of the W boson polarisation in $\text{t}\hat{A}^0$ events from pp collisions at $\sqrt{s}=8$ TeV in the lepton+jet channel with ATLAS. European Physical Journal C, 2017, 77, 264.	3.9	37
318	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	3.9	87
319	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.	3.9	27
320	Performance of algorithms that reconstruct missing transverse momentum in $\text{pp}$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 241.	3.9	61
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324	Measurement of the $W+W\hat{A}^0$ production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s}=13$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 354-374.	4.1	21

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326	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
327	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	3.9	56
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329	Search for anomalous electroweak production of $WZ$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 473-493.	2.9	47
330	Search for anomalous electroweak production of $WZ$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 473-493.	4.7	28
331	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
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333	Measurement of $D_{s1}$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .	4.7	23
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340	Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review Letters, 2017, 119, 191803.	7.8	74
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344	Measurement of the $\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
345	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
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350	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	3.9	12
351	Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ZZ $\rightarrow \tau\tau$ , $\tau\tau$ , $\tau\tau$ , $\tau\tau$ and ZZ $\rightarrow \tau\tau$ , $\tau\tau$ , $\tau\tau$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
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359	Precision measurement and interpretation of inclusive $W^+W^+$ , $W^+W^-$ . European Physical Journal C, 2017, 77, 367.	3.9	145
360	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 379.	3.9	51

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362	Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s}=13\text{ TeV}$ proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
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364	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
365	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $\sqrt{s}=13\text{ TeV}$ pp collisions at $\sqrt{s}=13\text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	3.9	19
366	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
367	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
368	Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Physical Review D, 2017, 96, .	4.7	157
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372	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
373	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	3.9	35
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375	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s}=13\text{ TeV}$ proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	4.7	12
376	Searches for the $Z\tilde{\chi}^0_3$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	30
377	Studies of $Z\tilde{\chi}^0_3$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
378	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=13\text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16

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380	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \tau^+\tau^-$ , in $s = 13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
381	Study of $WW\gamma$ and $WZ$ . European Physical Journal C, 2017, 77, 646.	3.9	30
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383	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.	4.7	11
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385	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	28
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442	ATLAS Collaboration. Nuclear Physics A, 2016, 956, 922-944.	1.5	1
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537	Search for pair production of a new heavy quark that decays into a $W$ boson and a light quark in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	101
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595	Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	7.8	64
596	Measurement of the transverse polarization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ hyperons produced in proton-proton collision. European Physical Journal C, 2015, 75, 17.	4.7	18
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