

# Haiping peng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

507  
papers

16,915  
citations

59  
h-index

99  
g-index

539  
ext. papers

19,726  
ext. citations

4.7  
avg, IF

1.99  
L-index

#	Paper	IF	Citations
507	Performance of the ATLAS Level-1 topological trigger in Run2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
506	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. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
505	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 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
504	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. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
503	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , <b>2022</b> , 6, 1	6	0
502	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau} \nu_{\tau}$ events in Run2 data. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
501	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	
500	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> , <b>2022</b> , 82, 1	4.2	1
499	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. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
498	Measurement of the $t(\bar{t})t(\bar{t})$ production cross section in pp collisions at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
497	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
496	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> , <b>2021</b> , 81, 1	4.2	7
495	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> , <b>2021</b> , 2021, 1	5.4	5
494	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> , <b>2021</b> , 2021, 1	5.4	1
493	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
492	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
491	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. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	5

490	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
489	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+e^-e^+e^-)$ and $(e^+e^-e^+e^-)$ final states using 139 $\text{fb}^{-1}$ of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	8
488	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
487	New Limit for Neutrinoless Double-Beta Decay of $^{100}\text{Mo}$ from the CUPID-Mo Experiment. <i>Physical Review Letters</i> , <b>2021</b> , 126, 181802	7.4	19
486	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $(e^+e^-e^+e^-)$ and $(e^+e^-e^+e^-)$ final states in pp collisions at $(\sqrt{s}=13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
485	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	3
484	Measurements of $W+W$ jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
483	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
482	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $(\sqrt{s}=13, \text{text {TeV}})$ . <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
481	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
480	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
479	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W$ and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
478	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
477	A search for the decays of stopped long-lived particles at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
476	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	13
475	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> , <b>2021</b> , 2021, 1	5.4	3
474	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> , <b>2021</b> , 2021, 1	5.4	8
473	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> , <b>2021</b> , 81, 1	4.2	5

472	Measurements of WH and ZH production in the ( $H \rightarrow \bar{b}b$ ) decay channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
471	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> , <b>2021</b> , 2021, 1	5.4	5
470	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. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
469	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. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
468	Jet energy scale and resolution measured in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	11
467	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. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
466	Search for dark matter produced in association with a single top quark in ( $\sqrt{s}=13$ ) TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	4
465	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
464	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
463	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
462	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
461	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
460	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. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
459	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
458	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow \mu \bar{\nu}_\mu$ in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
457	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ( $\sqrt{s}$ ) = 13 TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	7
456	Higgs boson production cross-section measurements and their EFT interpretation in the ( $4\ell$ ) decay channel at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	12
455	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in ( $\sqrt{s}$ ) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8

454	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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
453	Search for dijet resonances in events with an isolated charged lepton using ( $\sqrt{s}$ ) = 13 TeV proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3
452	The CUPID-Mo experiment for neutrinoless double-beta decay: performance and prospects. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	33
451	Measurement of the Z( $\rightarrow\mu\mu$ ) production cross-section in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
450	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at ( $\sqrt{s}$ )=8 and 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
449	Transverse momentum and process dependent azimuthal anisotropies in ( $\sqrt{s_{\text{NN}}}$ )=8.16 TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
448	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	30
447	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. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	50
446	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. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	1
445	Evidence for ( $t\bar{t}$ ) production in the multilepton final state in proton-proton collisions at ( $\sqrt{s}$ )=13 (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
444	Search for heavy diboson resonances in semileptonic final states in pp collisions at ( $\sqrt{s}$ )=13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
443	Search for light long-lived neutral particles produced in pp collisions at ( $\sqrt{s}$ ) = 13 TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
442	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. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	17
441	Precise measurement of ( $2\nu\beta\beta$ ) decay of ( $^{100}$ )Mo with the CUPID-Mo detection technology. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	19
440	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
439	Determination of jet calibration and energy resolution in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
438	Measurement of J/ $\psi$ production in association with a W boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	4
437	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	20

436	Search for ( $\overline{t}$ ) resonances in fully hadronic final states in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	6
435	Reconstruction and identification of boosted di- $\tau$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	3
434	Measurements of inclusive and differential cross-sections of combined ( $\overline{t}\gamma$ ) and $tW$ production in the $e\tau$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	2
433	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	8
432	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	9
431	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(e\ell)$ decay channel at ( $\sqrt{s}$ ) = 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	9
430	Fluctuations of anisotropic flow in Pb+Pb collisions at ( $\sqrt{\langle s \rangle_{\text{NN}}}$ ) = 5.02 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	13
429	Measurement of differential cross sections for single diffractive dissociation in ( $\sqrt{s}$ ) = 8 TeV pp collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	1
428	Measurement of isolated-photon plus two-jet production in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	2
427	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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	5
426	Search for the $HH \rightarrow \overline{b}\overline{b}$ process via vector-boson fusion production using proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	5
425	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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	5
424	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	7
423	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	1
422	Measurements of top-quark pair spin correlations in the $(e\mu)$ channel at ( $\sqrt{s}$ ) = 13 TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	8
421	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. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	11
420	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	8
419	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ( $\sqrt{s}$ ) = 13 TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	37

4 <sup>18</sup>	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
4 <sup>17</sup>	Search for single production of vector-like quarks decaying into Wb in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	14
4 <sup>16</sup>	Search for top-quark decays $t \rightarrow Hq$ with 36 fb <sup>-1</sup> of pp collision data at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	13
4 <sup>15</sup>	Measurement of $VH$ , ( $\text{mathrm{H}} \rightarrow \text{mathrm{b}} \overline{\text{mathrm{b}}}$ ) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
4 <sup>14</sup>	Measurements of W and Z boson production in pp collisions at $(\sqrt{s})=5.02$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	12
4 <sup>13</sup>	Performance of top-quark and ( $\text{varvec{W}}$ )-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	19
4 <sup>12</sup>	Measurements of inclusive and differential fiducial cross-sections of ( $\text{tbar}\{t\}\gamma$ ) production in leptonic final states at $(\sqrt{s}=13\text{~text {TeV}})$ in ATLAS. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
4 <sup>11</sup>	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P03017-P03017	1	25
4 <sup>10</sup>	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 58	4.2	20
4 <sup>09</sup>	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
4 <sup>08</sup>	In situ calibration of large-radius jet energy and mass in 13 TeV proton–proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
4 <sup>07</sup>	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	26
4 <sup>06</sup>	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $(\sqrt{s}) = 13$ and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
4 <sup>05</sup>	Measurement of the top quark mass in the ( $\text{tbar}\{t\} \rightarrow \text{lepton} + \text{jets}$ ) channel from $(\sqrt{s}=8)$ TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	24
4 <sup>04</sup>	Search for pair production of Higgs bosons in the ( $\text{b} \overline{\text{b}}$ ) final state using proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
4 <sup>03</sup>	Constraints on mediator-based dark matter and scalar dark energy models using $(\sqrt{s}) = 13$ TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
4 <sup>02</sup>	Search for long-lived neutral particles in pp collisions at $(\sqrt{s}) = 13\text{~text {TeV}}$ that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	18
4 <sup>01</sup>	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12

390	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
399	Measurement of $(W^{\pm}Z)$ production cross sections and gauge boson polarisation in pp collisions at $(\sqrt{s} = 13 \text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	20
398	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	18
397	Search for scalar resonances decaying into $\mu\mu$ events with and without b-tagged jets produced in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
396	Search for diboson resonances in hadronic final states in 139 fb $^{-1}$ of pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
395	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13 \text{ TeV}$ with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	3
394	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13 TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	11
393	Measurement of $K_S^0$ and $\Lambda^0$ production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	3
392	Measurement of the inclusive isolated-photon cross section in pp collisions at $(\sqrt{s}) = 13$ TeV using 36 fb $^{-1}$ of ATLAS data. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
391	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	14
390	Measurement of the top-quark mass in $(\overline{t}) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
389	Measurement of fiducial and differential $(W^+W^-)$ production cross-sections at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
388	Measurement of ZZ production in the $\mu\mu$ final state with the ATLAS detector in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
387	Measurement of $(W^{\pm})$ -boson and Z-boson production cross-sections in pp collisions at $(\sqrt{s}=2.76)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
386	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. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	4
385	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
384	Measurement of $(W^{\pm})$ boson production in Pb+Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
383	ATLAS b-jet identification performance and efficiency measurement with $(\overline{t})$ events in pp collisions at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	43



382	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at ( $\sqrt{s_{NN}} = 5.02$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
381	Measurements of top-quark pair differential and double-differential cross-sections in the $(\ell\ell)+$ jets channel with pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	13
380	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
379	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb <sup>-1</sup> of pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	81
378	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. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	10
377	Measurement of the $Z$ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 110	4.2	59
376	Search for new phenomena in high-mass final states with a photon and a jet from collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 102	4.2	7
375	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 154	4.2	23
374	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 142	4.2	35
373	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 171	4.2	35
372	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , <b>2018</b> , 78, 186	4.2	5
371	Search for heavy resonances in the $(\ell\ell)$ and $(\ell\ell)+$ jets final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 293	4.2	41
370	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 250	4.2	28
369	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	26
368	Search for heavy resonances decaying into $(\ell\ell)+$ jets in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 24	4.2	47
367	Direct top-quark decay width measurement in the $(\ell\ell)+$ jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 129	4.2	11
366	Search for W W/W Z resonance production in $(\ell\ell)+$ jets final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
365	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	36

364	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
363	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 18	4.2	32
362	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 199	4.2	55
361	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 163	4.2	3
360	Searches for heavy ZZ and ZW resonances in the $l\bar{l}q$ and $l\bar{l}q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
359	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
358	Measurement of differential cross sections and $W^+/W^-$ cross-section ratios for W boson production in association with jets at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
357	Measurement of the W-boson mass in pp collisions at ( $\sqrt{s}=7$ , $\sqrt{s}=13$ ) TeV with the ATLAS detector <b>2018</b> , 78, 1		1
356	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1		1
355	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb $^{-1}$ of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector <b>2018</b> , 2018, 1		1
354	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a\bar{a} \rightarrow b\bar{b}$ channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14
353	Measurement of the ( $Z \rightarrow \nu\bar{\nu}$ ) production cross section in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
352	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 784	4.2	8
351	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1007	4.2	21
350	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 847	4.2	5
349	Angular analysis of $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	44
348	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 401	4.2	23
347	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15

346	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	4
345	Search for Higgs boson pair production in the ( $u\bar{g}g\bar{u}$ ) final state with 13 TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	23
344	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. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	21
343	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 997	4-2	21
342	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 903	4-2	66
341	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 995	4-2	49
340	Search for charged Higgs bosons decaying into top and bottom quarks at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	39
339	Operation and performance of the ATLAS Tile Calorimeter in Run I. <i>European Physical Journal C</i> , <b>2018</b> , 78, 987	4-2	13
338	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> , <b>2018</b> , 2018, 1	5-4	28
337	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	16
336	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> , <b>2018</b> , 2018, 1	5-4	33
335	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	48
334	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	9
333	Search for charged Higgs bosons decaying via $H\pm \rightarrow \tau\bar{\nu}$ in the $b\bar{b}$ jets and $\tau\bar{\nu}$ lepton final states with 36 fb <sup>-1</sup> of pp collision data recorded at ( $\sqrt{s}=13$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	33
332	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 762	4-2	23
331	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. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	22
330	Search for exclusive Higgs and Z boson decays to $\tau\bar{\nu}$ and $\nu\bar{\nu}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	6
329	Measurements of b-jet tagging efficiency with the ATLAS detector using ( $t\bar{t}$ ) events at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	31

328	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. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	8
327	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 487	4-2	5
326	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 565	4-2	34
325	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 625	4-2	15
324	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	101
323	Measurement of the [Formula: see text] and [Formula: see text] production cross sections in multilepton final states using 3.2 fb[Formula: see text] of [Formula: see text] collisions at [Formula: see text] = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 40	4-2	14
322	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 -collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 26	4-2	22
321	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. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	22
320	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 220	4-2	5
319	Measurement of the boson polarisation in [Formula: see text] events from collisions at [Formula: see text] = 8 TeV in the lepton+jets channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4-2	19
318	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2017</b> , 77, 195	4-2	61
317	Measurements of top-quark pair differential cross-sections in the [Formula: see text] channel in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 292	4-2	13
316	Performance of algorithms that reconstruct missing transverse momentum in [Formula: see text]= 8 TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 241	4-2	38
315	Measurement of the prompt [Formula: see text] pair production cross-section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 76	4-2	47
314	Search for triboson [Formula: see text] production in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 141	4-2	13
313	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , <b>2017</b> , 77, 490	4-2	177
312	Fiducial, total and differential cross-section measurements of -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 531	4-2	27
311	Measurements of electroweak [Formula: see text] production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 474	4-2	14

310	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 466	4.2	42
309	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 428	4.2	48
308	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
307	Measurement of lepton differential distributions and the top quark mass in production in collisions at $\sqrt{s}$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 804	4.2	11
306	Measurement of the ( $\overline{t}\gamma$ ) production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
305	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. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
304	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , <b>2017</b> , 77, 673	4.2	33
303	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 144	4.2	8
302	Measurement of the ZZ production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV using the $ZZ \rightarrow \mu\mu$ and ( $ZZ \rightarrow \ell\ell \nu \overline{\nu}$ ) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
301	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
300	Measurements of $\chi(3512)$ and $X(3872) \rightarrow J/\psi \eta$ production in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
299	Measurements of top-quark pair to Z-boson cross-section ratios at ( $\sqrt{s}=13$ ), 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
298	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 70	4.2	52
297	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
296	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 332	4.2	29
295	Measurements of the production cross section of a [Formula: see text] boson in association with jets in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 361	4.2	26
294	Precision measurement and interpretation of inclusive $\gamma$ , and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4.2	56
293	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 379	4.2	35

292	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 393	4.2	52
291	Measurement of charged-particle distributions sensitive to the underlying event in ( $\sqrt{s}=13$ ) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
290	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 898	4.2	19
289	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
288	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 765	4.2	10
287	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
286	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
285	Measurement of the inclusive jet cross-sections in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
284	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
283	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 580	4.2	16
282	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2017</b> , 77, 563	4.2	15
281	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ( $\sqrt{s}=13$ ) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
280	Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	20
279	Studies of $Z\gamma$ production in association with a high-mass dijet system in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
278	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
277	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \gamma\gamma$ in ( $\sqrt{s}=13$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
276	Study of and production in collisions at and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 646	4.2	11
275	Measurements of top quark spin observables in ( $\overline{t}$ ) events using dilepton final states in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12

274	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. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
273	Top-quark mass measurement in the all-hadronic ( $t \rightarrow b\bar{b}$ ) decay channel at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
272	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	16
271	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	30
270	Search for supersymmetry in final states with two same-sign or three leptons and jets 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> , <b>2017</b> , 2017, 1	5.4	22
269	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	29
268	Measurement of the k t splitting scales in Z + b events in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3
267	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
266	Evidence for the ( $H \rightarrow b\bar{b}$ ) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	50
265	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	126
264	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 872	4.2	19
263	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 295	4.2	28
262	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 581	4.2	148
261	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 322	4.2	35
260	Measurement of jet activity in top quark events using the e <sup>+</sup> final state with two b-tagged jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	4
259	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 291	4.2	63
258	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to WW + e <sup>+</sup> e <sup>-</sup> with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
257	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13

256	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in ( $\sqrt{s}=8$ ) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
255	Identification of high transverse momentum top quarks in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
254	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2016</b> , 18, 073021	2.9	1
253	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05013-P05013	1	8
252	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4.2	48
251	Measurement of the differential cross-sections of prompt and non-prompt production of $Z$ bosons and $W$ bosons in collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 283	4.2	42
250	Luminosity determination in collisions at $\sqrt{s}=8$ TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188
249	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s}=8$ TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4.2	7
248	Addendum to Measurement of the $t\bar{t}$ production cross-section using $(e\mu)$ events with b-tagged jets in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	13
247	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
246	Searches for heavy diboson resonances in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
245	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in ( $\sqrt{s}=8$ ) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
244	Search for the Standard Model Higgs boson decaying into $(\overline{b}b)$ produced in association with top quarks decaying hadronically in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
243	Measurement of the CP-violating phase $\phi_1$ and the $B^0$ meson decay width difference with $B^0 \rightarrow J/\psi K_S$ decays in ATLAS. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
242	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4.2	53
241	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	24
240	A search for prompt lepton-jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	22
239	Search for new phenomena with photon+jet events in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12



238	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 199	4.2	39
237	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
236	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	14
235	Search for strong gravity in multijet final states produced in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
234	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 154	4.2	44
233	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 210	4.2	53
232	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 232	4.2	12
231	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 238	4.2	6
230	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 259	4.2	48
229	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	45
228	Search for anomalous couplings in the $Wtb$ vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1-46	5.4	12
227	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 5	4.2	68
226	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 6	4.2	185
225	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 11	4.2	21
224	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 4	4.2	13
223	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 55	4.2	28
222	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ( $\sqrt{s}=8, \text{ TeV}$ ) with the ATLAS detector <b>2016</b> , 76, 1		1
221	Study of hard double-parton scattering in four-jet events in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	21

220	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 375	4.2	5
219	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 403	4.2	19
218	Charged-particle distributions at low transverse momentum in [Formula: see text] TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 502	4.2	37
217	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 547	4.2	25
216	Search for minimal supersymmetric standard model Higgs Bosons $H/\tilde{H}$ and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 585	4.2	28
215	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , <b>2016</b> , 76, 666	4.2	53
214	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 670	4.2	7
213	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , <b>2016</b> , 76, 526	4.2	16
212	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 541	4.2	7
211	Search for the Higgs boson produced in association with a boson and decaying to four $b$ -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 605	4.2	16
210	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 292	4.2	263
209	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 658	4.2	26
208	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at [Formula: see text] = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 565	4.2	20
207	Measurement of the inclusive isolated prompt photon cross section in pp collisions at ( $\sqrt{s}$ )=8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	25
206	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at ( $\sqrt{s}$ )=8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	59
205	Search for flavour-changing neutral current top-quark decays to [Formula: see text] in [Formula: see text] collision data collected with the ATLAS detector at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 12	4.2	16
204	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 87	4.2	18
203	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 81	4.2	7

202	Search for charged Higgs bosons in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at ( $\sqrt{s}=8$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	33
201	Study of the rare decays of $[Formula: see text]$ and $[Formula: see text]$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 513	4-2	27
200	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $[Formula: see text] \sqrt{s}=13$ TeV $[Formula: see text]$ collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 517	4-2	17
199	Search for resonances in diphoton events at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	49
198	Search for single production of vector-like quarks decaying into in collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 442	4-2	24
197	Measurement of the relative width difference of the $(\overline{B}^0 \rightarrow D^+ D_s^-)$ system with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	5
196	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4-2	194
195	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $[Formula: see text]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 79	4-2	21
194	Search for resonant diboson production in the $[Formula: see text]$ final state in $[Formula: see text]$ collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 69	4-2	62
193	Measurements of the $[Formula: see text]$ production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 82	4-2	54
192	Search for dark matter in events with heavy quarks and missing transverse momentum in $[Formula: see text]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 92	4-2	60
191	Measurement of the $(\overline{t})$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	14
190	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	12
189	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	29
188	Search for the $(\overline{b})$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	64
187	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	27
186	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ( $\sqrt{s}=8$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	45
185	Search for charged Higgs bosons decaying via $H \rightarrow b\bar{b}$ in fully hadronic final states using pp collision data at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	56

184	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 209	4.2	73
183	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 120	4.2	51
182	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 412	4.2	66
181	Determination of spin and parity of the Higgs boson in the [Formula: see text] decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 231	4.2	15
180	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 299	4.2	202
179	Search for a new resonance decaying to a $W$ or $Z$ boson and a Higgs boson in the [Formula: see text] final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 263	4.2	46
178	Measurement of three-jet production cross-sections in [Formula: see text] collisions at 7 [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 228	4.2	18
177	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 335	4.2	56
176	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text] [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 303	4.2	49
175	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 229	4.2	38
174	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 349	4.2	94
173	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text] TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 318	4.2	44
172	Search for heavy long-lived multi-charged particles in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 362	4.2	22
171	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 466	4.2	28
170	Measurement of the top quark mass in the [Formula: see text] and [Formula: see text] channels using [Formula: see text] [Formula: see text] ATLAS data. <i>European Physical Journal C</i> , <b>2015</b> , 75, 330	4.2	32
169	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	2
168	A search for high-mass resonances decaying to $WZ$ in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
167	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	42

166	Search for lepton-flavour-violating $H \rightarrow \mu\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	46
165	Measurement of four-jet differential cross sections in ( $\sqrt{s}=8$ ) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-76	5-4	5
164	A search for ( $\overline{t}$ ) resonances using lepton-plus-jets events in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	57
163	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	18
162	Measurement of charged-particle spectra in Pb+Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	49
161	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	91
160	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-39	5-4	66
159	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at ( $\sqrt{s}=7$ ) TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	31
158	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	65
157	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	54
156	Search for new phenomena in events with three or more charged leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	16
155	Summary of the searches for squarks and gluinos using ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	55
154	Determination of the top-quark pole mass using ( $\overline{t}$ ) + 1-jet events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	15
153	Measurement of the ( $\overline{t}W$ ) and ( $\overline{t}Z$ ) production cross sections in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	16
152	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-65	5-4	18
151	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	22
150	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	37
149	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	74

148	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
147	Search for [Formula: see text] decays in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 165	4.2	25
146	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 158	4.2	8
145	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 208	4.2	50
144	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow W^* W^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
143	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , <b>2015</b> , 75, 407	4.2	18
142	Measurement of the production and lepton charge asymmetry of [Formula: see text] bosons in Pb+Pb collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 23	4.2	31
141	Search for production of (WW/WZ) resonances decaying to a lepton, neutrino and jets in (pp) collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector <b>2015</b> , 75, 1		1
140	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector <b>2015</b> , 75, 1		2
139	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector <b>2015</b> , 2015, 1		3
138	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> , <b>2014</b> , 2014, 1	5.4	24
137	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
136	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2895	4.2	12
135	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2941	4.2	160
134	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	18
133	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2982	4.2	18
132	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3023	4.2	46
131	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	14

130	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $(\sqrt{s}) = 8$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	76
129	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W$ boson in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
128	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
127	Measurement of the production of a $W$ boson in association with a charm quark in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	37
126	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	120
125	Search for supersymmetry at $(\sqrt{s}) = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	39
124	Measurement of the low-mass Drell-Yan differential cross section at $(\sqrt{s}) = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
123	Search for direct top-squark pair production in final states with two leptons in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	52
122	Measurement of $t\bar{t}$ production with $(\sqrt{s}) = 7$ TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
121	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	6
120	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	40
119	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2883	4.2	41
118	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	67
117	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3130	4.2	166
116	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3117	4.2	17
115	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3168	4.2	16
114	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $(\sqrt{s}=8)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	30
113	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb <sup>-1</sup> of $(\sqrt{s}) = 8$ TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	9

112	Measurement of the $[Formula: see text]$ production cross-section using $[Formula: see text]$ events with $[Formula: see text]$ -tagged jets in $[Formula: see text]$ collisions at $[Formula: see text]$ and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3109	4.2	107
111	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $(\sqrt{s}) = 8$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	54
110	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $[Formula: see text]$ TeV in 2010. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3034	4.2	45
109	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	160
108	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3134	4.2	31
107	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3157	4.2	52
106	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in $[Formula: see text]$ collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3195	4.2	21
105	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> , <b>2014</b> , 2014, 1	5.4	36
104	Measurement of the production cross-section of $(ZS) \rightarrow J/\psi + \mu\mu$ in pp collisions at $(\sqrt{s}) = 7$ TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
103	Measurement of the Z boson transverse momentum distribution in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	79
102	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> , <b>2014</b> , 2014, 1	5.4	31
101	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> , <b>2014</b> , 2014, 1	5.4	26
100	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> , <b>2014</b> , 2014, 1	5.4	38
99	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> , <b>2014</b> , 2014, 1	5.4	29
98	Measurement of the $(\overline{t})$ production cross-section using $(\mu\mu)$ events with $(b)$ -tagged jets in $(pp)$ collisions at $(\sqrt{s}=7)$ and 8 TeV with the ATLAS detector <b>2014</b> , 74, 1		2
97	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	50
96	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	34
95	Search for third generation scalar leptoquarks in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	30



94	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	124
93	Measurement of ZZ production in pp collisions at ( $\sqrt{s}=7$ ) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	45
92	Search for charged Higgs bosons through the violation of lepton universality in ( $\overline{t}$ ) events using pp collision data at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
91	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	47
90	Measurement of splitting scales in $\tau$ -events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
89	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2465	4.2	76
88	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. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	92
87	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. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	64
86	Measurement of the differential cross-section of B + meson production in pp collisions at ( $\sqrt{s}=7$ ) TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	24
85	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	43
84	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4.2	276
83	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2509	4.2	71
82	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2362	4.2	25
81	Jet energy measurement with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	209
80	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2676	4.2	18
79	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ( $\sqrt{s_{NN}}=2.76$ TeV) with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	143
78	Measurement of the top quark charge in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
77	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	72

76	Measurement of isolated-photon pair production in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	44
75	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	55
74	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	15
73	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	55
72	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	44
71	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}=7 \text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	12
70	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	41
69	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4-2	153
68	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2328	4-2	30
67	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. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043009	2-9	15
66	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	14
65	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	31
64	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2039	4-2	78
63	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2040	4-2	10
62	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4-2	42
61	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2056	4-2	78
60	Measurement of polarization in $\tau$ -decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4-2	17
59	Measurement of the cross section for top-quark pair production in pp collisions at ( $\sqrt{s} = 7, \text{TeV}$ ) with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	43

58	Jet mass and substructure of inclusive jets in ( $\sqrt{s} = 7; \text{TeV}$ ) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	67
57	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	10
56	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb <sup>-1</sup> of ( $\sqrt{s} = 7; \text{TeV}$ ) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	48
55	A search for ( $\overline{t}$ ) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	39
54	Search for the Standard Model Higgs boson in the $H \rightarrow \mu\mu$ decay mode in ( $\sqrt{s} = 7; \text{TeV}$ ) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	37
53	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ( $\sqrt{s} = 7; \text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	31
52	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	11
51	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	53
50	Search for high-mass resonances decaying to dilepton final states in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	49
49	Search for anomalous production of prompt like-sign lepton pairs at ( $\sqrt{s} = 7; \text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	16
48	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ( $\sqrt{s} = 7; \text{TeV}$ ) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
47	Search for R-parity-violating supersymmetry in events with four or more leptons in ( $\sqrt{s} = 7; \text{TeV}$ ) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	13
46	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	199
45	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ( $\sqrt{s} = 7$ mbox{TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	70
44	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ( $\sqrt{s} = 7; \text{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	13
43	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4-2	82
42	A search for [Formula: see text] resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4-2	14
41	Search for second generation scalar leptoquarks in pp collisions at ( $\sqrt{s} = 7; \text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	35

40	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
39	Measurement of $W \mp Z$ production in proton-proton collisions at ( $\sqrt{s}=7\text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	54
38	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
37	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at ( $\sqrt{s}=7\text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	18
36	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
35	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ( $\sqrt{s}=7\text{ TeV}$ ) proton-proton collisions. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
34	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ( $\sqrt{s} = 7\text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	34
33	Search for doubly charged Higgs bosons in like-sign dilepton final states at ( $\sqrt{s} = 7\text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	104
32	Thermoelectric Properties of Dy-Doped SrTiO <sub>3</sub> Ceramics. <i>Journal of Electronic Materials</i> , <b>2012</b> , 41, 3073-3076	3.0	31
31	Performance of missing transverse momentum reconstruction in proton-proton collisions at ( $\sqrt{s} = 7\text{ TeV}$ ) with ATLAS. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	217
30	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
29	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ( $\sqrt{s} = 7\text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
28	Search for charged Higgs bosons decaying via $H \rightarrow \tau \nu$ ( $\tau \rightarrow e \nu$ ) events using pp collision data at ( $\sqrt{s} = 7\text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	112
27	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	52
26	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	23
25	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	103
24	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	138
23	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	16

22	Luminosity determination in pp collisions at ( $\sqrt{s} = 7$ ) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	167
21	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ( $\sqrt{s}=900$ ) GeV and ( $\sqrt{s}=7$ ) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	30
20	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ( $\sqrt{s}=7$ ) TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	18
19	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ( $\sqrt{s}=7\sim m_{\text{TeV}}$ ) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	41
18	Limits on the production of the standard model Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
17	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	15
16	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	44
15	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	51
14	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
13	Search for massive colored scalars in four-jet final states in ( $\sqrt{s}=7\sim m_{\text{TeV}}$ ) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
12	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ( $\sqrt{s}=7\sim m_{\text{TeV}}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	53
11	Yttrium-doped effect on thermoelectric properties of La <sub>0.1</sub> Sr <sub>0.9</sub> TiO <sub>3</sub> ceramics. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 5278-5281	4.3	9
10	Measurement of W and Z production in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	11
9	Inclusive search for same-sign dilepton signatures in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	31
8	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ( $\sqrt{s} = 7$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	60
7	Electronic and Lattice Vibrational Properties of BaSi <sub>2</sub> from Density Functional Theory Calculations. <i>Journal of Electronic Materials</i> , <b>2011</b> , 40, 620-623	1.9	10
6	Vibrational and thermal properties of small diameter silicon nanowires. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 063702	2.5	12
5	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , <b>2010</b> , 70, 823-874	4.2	817

4	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	14
3	Measurement of the W and Z/ $\nu$ production cross sections in proton-proton collisions at ( $\sqrt{s} = 7\text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	58
2	A study of the vibrational and thermoelectric properties of silicon type I and II clathrates. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 043503	2.5	25
1	3.8 W of cw blue light generated by intracavity frequency doubling of a 946-nm Nd:YAG laser with LBO. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 83, 241-243	1.9	37