

# Michael Begel

## 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.

989  
papers

42,611  
citations

91  
h-index

160  
g-index

1,031  
ext. papers

48,953  
ext. citations

4.8  
avg, IF

3.77  
L-index

#	Paper	IF	Citations
989	Emulating the impact of additional proton-proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events. <i>Computing and Software for Big Science</i> , <b>2022</b> , 6, 1	6	0
988	Search for heavy particles in the b-tagged dijet mass distribution with additional b-tagged jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	1
987	Performance of the ATLAS Level-1 topological trigger in Run-2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
986	Operation and performance of the ATLAS semiconductor tracker in LHC Run-2. <i>Journal of Instrumentation</i> , <b>2022</b> , 17, P01013	1	1
985	Search for Higgs boson decays into a pair of pseudoscalar particles in the $b\bar{b}$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	1
984	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
983	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
982	Search for new phenomena in three- or four-lepton events in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 824, 136832	4.2	0
981	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
980	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , <b>2022</b> , 6, 1	6	0
979	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 Run-2 data. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
978	The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s}=13$ TeV during LHC Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	
977	Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 137066	4.2	0
976	Measurement of the nuclear modification factor for muons from charm and bottom hadrons in Pb+Pb collisions at 5.02 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 137077	4.2	0
975	A search for an unexpected asymmetry in the production of $e^+e^-$ pairs in proton-proton collisions recorded by the ATLAS detector at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 137106	4.2	
974	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
973	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

972	Measurement of the $t(\overline{t})t(\overline{t})$ 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
971	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
970	Search for type-III seesaw heavy leptons in dilepton 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
969	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	5
968	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
967	Search for Dark Matter Produced in Association with a Dark Higgs Boson Decaying into $W^{\pm}W^{\pm}$ or ZZ in Fully Hadronic Final States from $\sqrt{s}=13$ TeV pp Collisions Recorded with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2021</b> , 126, 121802	7.4	2
966	Longitudinal Flow Decorrelations in Xe+Xe Collisions at $\sqrt{s_{NN}}=5.44$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2021</b> , 126, 122301	7.4	2
965	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
964	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $(\sqrt{\text{mathrm}{s}}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
963	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
962	Measurement of the CP-violating phase $\phi_s$ in $B_s^0 \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. <i>European Physical Journal C</i> , <b>2021</b> , 81,	4.2	1
961	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
960	Search for heavy resonances decaying into a pair of Z bosons in the $(\ell^+ \ell^- \ell'^+ \ell'^-)$ and $(\ell^+ \ell^- \nu \bar{\nu})$ final states using 139 fb 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
959	Search for new phenomena in final states with b-jets and missing transverse momentum in $(\sqrt{\text{mathrm}{s}}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
958	Measurement of the associated production of a Higgs boson decaying into b-quarks with a vector boson at high transverse momentum in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 816, 136204	4.2	5
957	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $(\ell \ell \text{bb})$ and $(\ell \ell \text{WW})$ 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
956	Observation of photon-induced $W+W$ production in pp collisions at $s=13$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 816, 136190	4.2	0
955	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 $(\sqrt{\text{mathrm}{s}}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	3

954	Search for new phenomena in events with an energetic jet and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	10
953	Measurements of $W+W\bar{W}$ $\pm$ 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
952	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{\text{mathrm}\{s\}}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
951	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $(\sqrt{s}=13,\text{text}\{\text{TeV}\})$ . <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
950	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
949	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. <i>Nature Physics</i> , <b>2021</b> , 17, 819-825	16.2	4
948	Search for Displaced Leptons in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2021</b> , 127, 051802	7.4	2
947	Test of the universality of $\tau$ and $\mu$ lepton couplings in W-boson decays with the ATLAS detector. <i>Nature Physics</i> , <b>2021</b> , 17, 813-818	16.2	1
946	Two-particle azimuthal correlations in photonuclear ultraperipheral Pb+Pb collisions at 5.02 TeV with ATLAS. <i>Physical Review C</i> , <b>2021</b> , 104,	2.7	2
945	Search for supersymmetry in events with four or more charged leptons in 139 fb $^{-1}$ of $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
944	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W\bar{W}$ and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
943	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
942	A search for the decays of stopped long-lived particles at $(\sqrt{\text{mathrm}\{s\}}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
941	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
940	Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $(\sqrt{s})=13$ TeV. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P07029	1	1
939	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
938	A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 812, 135980	4.2	21
937	Measurement of the jet mass in high transverse momentum $Z(\rightarrow b\bar{b})\gamma$ production at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 812, 135991	4.2	

936	Medium-Induced Modification of Z-Tagged Charged Particle Yields in Pb+Pb Collisions at 5.02 TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2021</b> , 126, 072301	7.4	3
935	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb <sup>-1</sup> of ( $\sqrt{s}$ ) = 13 TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
934	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
933	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
932	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
931	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
930	The ATLAS Fast Tracker system. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P07006	1	0
929	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
928	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
927	Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $\sqrt{s}$ = 13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 819, 136412	4.2	2
926	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P08025	1	1
925	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
924	Exclusive dimuon production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}}$ = 5.02 TeV with ATLAS. <i>Physical Review C</i> , <b>2021</b> , 104,	2.7	2
923	Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at $\sqrt{s}$ = 13 TeV Using the ATLAS Detector. <i>Physical Review Letters</i> , <b>2021</b> , 127, 141801	7.4	1
922	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
921	Search for resonances decaying into photon pairs in 139 fb <sup>-1</sup> of pp collisions at $\sqrt{s}$ = 13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 822, 136651	4.2	3
920	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
919	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

918	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
917	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
916	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
915	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
914	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
913	Search for Lepton-Flavor Violation in Z-Boson Decays with $n$ Leptons with the ATLAS Detector.. <i>Physical Review Letters</i> , <b>2021</b> , 127, 271801	7.4	0
912	Search for new phenomena in pp collisions in final states with tau leptons, b-jets, and missing transverse momentum with the ATLAS detector. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	1
911	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi$ 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
910	Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P11016-P11016	1	2
909	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
908	Search for Higgs boson decays into two new low-mass spin-0 particles in the 4b channel with the ATLAS detector using pp collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	9
907	Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector. <i>Physical Review Letters</i> , <b>2020</b> , 125, 221802	7.4	6
906	Higgs boson production cross-section measurements and their EFT interpretation in the (4ell) 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
905	Search for heavy neutral Higgs bosons produced in association with b-quarks and decaying into b-quarks at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	10
904	Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	12
903	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
902	Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $s=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	17
901	ATLAS data quality operations and performance for 2015-2018 data-taking. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P04003-P04003	1	16



900	Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2020</b> , 124, 222002	7.4	4
899	Test of CP invariance in vector-boson fusion production of the Higgs boson in the H $\rightarrow$ $\tau\tau$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 805, 135426	4.2	5
898	Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2020</b> , 124, 082301	7.4	8
897	Measurement of the $t\bar{t}$ production cross-section and lepton differential distributions in $\mu\mu$ dilepton events from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80,	4.2	9
896	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
895	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
894	Z boson production in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV measured by the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 802, 135262	4.2	5
893	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2020</b> , 124, 031802	7.4	15
892	Measurement of the $Z \rightarrow \tau\tau$ 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
891	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
890	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
889	Search for resonances decaying into a weak vector boson and a Higgs boson in the fully hadronic final state produced in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	6
888	Search for Heavy Resonances Decaying into a Photon and a Hadronically Decaying Higgs Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2020</b> , 125, 251802	7.4	3
887	Observation and Measurement of Forward Proton Scattering in Association with Lepton Pairs Produced via the Photon Fusion Mechanism at ATLAS. <i>Physical Review Letters</i> , <b>2020</b> , 125, 261801	7.4	5
886	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
885	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum ( $\sqrt{s}=13$ ) (TeV) pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	50
884	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
883	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

882	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
881	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
880	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
879	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
878	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
877	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
876	Search for new resonances in mass distributions of jet pairs using 139 fb 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
875	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
874	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
873	Evidence for electroweak production of two jets in association with a $Z$ pair in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 803, 135341	4.2	5
872	Combined measurements of Higgs boson production and decay using up to 80 fb of proton-proton collision data at $s=13$ TeV collected with the ATLAS experiment. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	121
871	Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 801, 135114	4.2	10
870	Search for non-resonant Higgs boson pair production in the $b\bar{b}$ final state with the ATLAS detector in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 801, 135145	4.2	4
869	Search for the Higgs boson decays $H \rightarrow ee$ and $H \rightarrow e\tau$ in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 801, 135148	4.2	9
868	Searches for lepton-flavour-violating decays of the Higgs boson in $s=13$ TeV pp collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135069	4.2	13
867	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb of pp collisions at $s=13$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135082	4.2	6
866	Combination of searches for Higgs boson pairs in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135103	4.2	24
865	A search for the $Z$ decay mode of the Higgs boson in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 809, 135754	4.2	9



864	Dijet Resonance Search with Weak Supervision Using $\sqrt{s}=13$ TeV pp Collisions in the ATLAS Detector. <i>Physical Review Letters</i> , <b>2020</b> , 125, 131801	7.4	15
863	Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 807, 135595	4.2	2
862	Measurements of inclusive and differential cross-sections of combined ( $\overline{t}\gamma$ ) and $tW$ production in the $e\bar{t}$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
861	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
860	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
859	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(\ell\ell)$ decay channel at $(\sqrt{s}) = 13$ TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
858	Measurement of the $t\bar{t}$ production cross-section in the lepton+jets channel at $s=13$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 810, 135797	4.2	4
857	Fluctuations of anisotropic flow in Pb+Pb collisions at $(\sqrt{\{s\}}_{\{NN\}}) = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	13
856	Performance of the ATLAS muon triggers in Run 2. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P09015-P09015	1	13
855	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	13
854	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
853	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
852	CP Properties of Higgs Boson Interactions with Top Quarks in the $t\bar{t}\overline{H}$ and $tH$ Processes Using $H\rightarrow\tau\tau$ with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2020</b> , 125, 061802	7.4	15
851	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
850	Search for the $HH \rightarrow (\overline{b}b)$ 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
849	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
848	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
847	Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 125, 051801	7.4	30

846	Searches for electroweak production of supersymmetric particles with compressed mass spectra in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	31
845	Measurement of the azimuthal anisotropy of charged-particle production in Xe+Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV with the ATLAS detector. <i>Physical Review C</i> , <b>2020</b> , 101,	2.7	12
844	Search for direct stau production in events with two hadronic leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	13
843	Search for long-lived neutral particles produced in pp collisions at $\sqrt{s}=13$ TeV decaying into displaced hadronic jets in the ATLAS inner detector and muon spectrometer. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	11
842	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
841	Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	11
840	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
839	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $(\sqrt{s}=8\text{--}13\text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	11
838	Properties of jet fragmentation using charged particles measured with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	2
837	Observation of Electroweak Production of a Same-Sign W Boson Pair in Association with Two Jets in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2019</b> , 123, 161801	7.4	26
836	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
835	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $(\sqrt{s} = 13)$ (8 TeV). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	37
834	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
833	Evidence for the production of three massive vector bosons with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134913	4.2	5
832	Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $(\sqrt{s}) = 13$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	15
831	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 788, 347-370	4.2	7
830	Search for long-lived particles in final states with displaced dimuon vertices in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	13
829	Correlated long-range mixed-harmonic fluctuations measured in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 789, 444-471	4.2	14

828	Observation of electroweak $W\Xi Z$ boson pair production in association with two jets in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 793, 469-492	4.2	22
827	Search for invisible Higgs boson decays in vector boson fusion at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 793, 499-519	4.2	21
826	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
825	Combinations of single-top-quark production cross-section measurements and $ f_{LVVtb} $ determinations at $(\sqrt{s}) = 7$ and 8 TeV with the ATLAS and CMS experiments. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
824	Search for top-quark decays $t \rightarrow Hq$ with 36 $fb^{-1}$ 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
823	Measurement of $VH, (H \rightarrow \overline{b}b)$ 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
822	Development and data path integration test of the global Feature EXtractor for the ATLAS Level-1 calorimeter trigger system Phase-I upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 938, 5-9	1.2	0
821	. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	9
820	. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
819	Search for heavy long-lived multicharged particles in proton-proton collisions at $s=13$ TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	7
818	Properties of $g \rightarrow b\bar{b}$ at small opening angles in pp collisions with the ATLAS detector at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	2
817	Cross-section measurements of the Higgs boson decaying into a pair of leptons in proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	29
816	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
815	Performance of top-quark and $(W)$ -boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	19
814	Measurements of inclusive and differential fiducial cross-sections of $(t\bar{t}\gamma)$ 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
813	Search for long-lived particles produced in pp collisions at $s=13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	24
812	Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 151801	7.4	5
811	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

810	Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	4
809	Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 595-614	4.2	7
808	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
807	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
806	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
805	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
804	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
803	Measurement of the top quark mass in the ( $t\bar{t} \rightarrow \ell\ell + jets$ ) 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
802	Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 108-128	4.2	44
801	Search for pair production of Higgs bosons in the ( $b\bar{b}$ ) final state using proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
800	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
799	Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from pp and Pb+Pb Collisions in ATLAS. <i>Physical Review Letters</i> , <b>2019</b> , 123, 042001	7.4	12
798	Search for high-mass dilepton resonances using 139 fb <sup>-1</sup> of pp collision data collected at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 796, 68-87	4.2	82
797	Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	10
796	Search for long-lived neutral particles in pp collisions at ( $\sqrt{s} = 13$ TeV) that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	18
795	Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	12
794	Search for heavy charged long-lived particles in the ATLAS detector in 36.1 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	35
793	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

792	Observation of Light-by-Light Scattering in Ultraperipheral Pb+Pb Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2019</b> , 123, 052001	7.4	41
791	Measurement of prompt photon production in $\sqrt{s}=8.16$ TeV p + Pb collisions with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 796, 230-252	4.2	5
790	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
789	Measurement of $(W^{\pm}Z)$ production cross sections and gauge boson polarisation in pp collisions at $(\sqrt{s} = 13\text{-text \{TeV\}})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	20
788	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. <i>Physical Review Letters</i> , <b>2019</b> , 122, 231801	7.4	45
787	Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ cross sections in proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	14
786	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
785	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
784	Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 795, 56-75	4.2	12
783	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H \rightarrow WW^* \rightarrow e\mu$ channel in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134949	4.2	7
782	Search for a right-handed gauge boson decaying into a high-momentum heavy neutrino and a charged lepton in pp collisions with the ATLAS detector at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134942	4.2	14
781	Search for diboson resonances in hadronic final states in 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>2019</b> , 2019, 1	5.4	10
780	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13\text{-text \{TeV\}}$ with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	3
779	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $13\text{-text \{TeV\}}$ . <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	11
778	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
777	Measurement of the inclusive isolated-photon cross section in pp collisions at $(\sqrt{s}) = 13$ TeV using 36 fb <sup>-1</sup> of ATLAS data. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
776	Measurements of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow WW^* \rightarrow e\mu$ decay channel in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 789, 508-529	4.2	27
775	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



774	Search for pairs of highly collimated photon-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	5
773	Search for squarks and gluinos in final states with hadronically decaying leptons, jets, and missing transverse momentum using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	9
772	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
771	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
770	Measurement of ZZ production in the 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
769	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
768	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
767	Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P12006-P12006	1	51
766	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
765	Measurement of $(W^{\pm})$ boson production in Pb+Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02\text{-}7\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
764	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
763	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $(\sqrt{s_{\text{NN}}}) = 5.02\text{-}7\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
762	Measurement of angular and momentum distributions of charged particles within and around jets in Pb+Pb and pp collisions at $s_{\text{NN}}=5.02$ TeV with the ATLAS detector. <i>Physical Review C</i> , <b>2019</b> , 100,	2.7	5
761	Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	7
760	Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	12
759	Measurements of top-quark pair differential and double-differential cross-sections in the $(\ell\ell) + \text{jets}$ 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
758	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
757	Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 788, 316-335	4.2	23

756	Search for heavy charged long-lived particles in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ using an ionisation measurement with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 788, 96-116	4.2	17
755	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}$ final state in pp collision at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 1-21	4.2	20
754	Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and pp collisions with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 789, 167-190	4.2	15
753	Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in pp and p+Pb collisions with the ATLAS detector at the CERN Large Hadron Collider. <i>Physical Review C</i> , <b>2018</b> , 97,	2.7	25
752	Search for High-Mass Resonances Decaying to $\mu\bar{\mu}$ in pp Collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2018</b> , 120, 161802	7.4	18
751	Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	29
750	A search for resonances decaying into a Higgs boson and a new particle X in the $XH\rightarrow q\bar{q}b\bar{b}$ final state with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 24-45	4.2	6
749	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 $\text{fb}^{-1}$ 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
748	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
747	Measurement of the $Z$ -boson mass in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 110	4.2	59
746	Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s}=8\text{ TeV}$ using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 295-317	4.2	10
745	Measurement of the exclusive $\mu^+\mu^-$ process in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 777, 303-323	4.2	27
744	Search for diboson resonances with boson-tagged jets in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 777, 91-113	4.2	27
743	Search for new phenomena in high-mass final states with a photon and a jet from collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 102	4.2	7
742	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
741	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
740	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s}=2.76\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 171	4.2	35
739	Measurement of differential cross-sections of a single top quark produced in association with a boson at $\sqrt{s}=13\text{ TeV}$ with ATLAS. <i>European Physical Journal C</i> , <b>2018</b> , 78, 186	4.2	5

738	Search for heavy resonances in the and 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
737	A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 250	4.2	28
736	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
735	Search for heavy resonances decaying into in the final state in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 24	4.2	47
734	Direct top-quark decay width measurement in the lepton+jets channel at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 129	4.2	11
733	Search for W W/W Z resonance production in $\bar{q}q$ 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	22
732	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
731	Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	44
730	Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 557-577	4.2	14
729	Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 578-602	4.2	10
728	Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 55-76	4.2	7
727	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
726	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
725	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
724	Measurement of polarisation in decays in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 163	4.2	3
723	Searches for heavy ZZ and ZW resonances in the $\bar{q}q$ and $\bar{q}q$ 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
722	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
721	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\bar{b}b$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 783, 392-414	4.2	33

7 <sup>20</sup>	Search for $W \rightarrow tb$ decays in the hadronic final state using pp collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 327-348	4.2	15
7 <sup>19</sup>	Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 784, 173-191	4.2	118
7 <sup>18</sup>	Measurements of $tt$ differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s}=13\text{ TeV}$ using the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	12
7 <sup>17</sup>	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
7 <sup>16</sup>	Combination of inclusive and differential ( $\overline{\text{t}}$ ) charge asymmetry measurements using ATLAS and CMS data at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
7 <sup>15</sup>	Measurement of the W-boson mass in pp collisions at ( $\sqrt{s}=7$ , $\sqrt{s}=8$ ) TeV with the ATLAS detector <b>2018</b> , 78, 1		1
7 <sup>14</sup>	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ( $\sqrt{s}=13$ , $\sqrt{s}=8$ ) TeV <b>2018</b> , 78, 1		1
7 <sup>13</sup>	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 <b>2018</b> , 2018, 1		1
7 <sup>12</sup>	Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 318-337	4.2	38
7 <sup>11</sup>	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ 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
7 <sup>10</sup>	Measurement of the ( $Z \rightarrow \nu \overline{\nu}$ ) 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
7 <sup>09</sup>	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
7 <sup>08</sup>	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
7 <sup>07</sup>	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 847	4.2	5
7 <sup>06</sup>	Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$ with the ATLAS detector. <i>Physical Review C</i> , <b>2018</b> , 98,	2.7	10
7 <sup>05</sup>	Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 787, 68-88	4.2	14
7 <sup>04</sup>	Angular analysis of $B^0 \rightarrow K^* \mu \mu$ 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
7 <sup>03</sup>	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s}=13\text{ TeV}$ with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2018</b> , 121, 211801	7.4	48

702	Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in Pb+Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2018</b> , 121, 212301	7.4	18
701	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
700	Search for lepton-flavor-violating decays of the Z boson into a $\tau$ lepton and a light lepton with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	5
699	Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b\bar{b}[\text{over } \tau^+\tau^-]$ Decay Channel in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2018</b> , 121, 191801	7.4	23
698	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
697	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
696	Search for Higgs boson pair production in the ( $\text{upgamma upgamma boverline{b}}$ ) 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
695	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
694	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
693	Search for pair and single production of vectorlike quarks in final states with at least one Z boson decaying into a pair of electrons or muons in pp collision data collected with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	22
692	The implementation of Global Feature EXtractor (gFEX) - the ATLAS Calorimeter Level 1 Trigger system for LHC Run-3 upgrade. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P07010-P07010	1	1
691	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
690	Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector and determination of the strong coupling. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	4
689	Search for pair production of heavy vectorlike quarks decaying into hadronic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	19
688	Search for lepton-flavor violation in different-flavor, high-mass final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	7
687	Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	34
686	Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $E_{\text{beam}}=4$ TeV. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P12006-P12006	1	2
685	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



684	Search for pair production of Higgsinos in final states with at least three b-tagged jets in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	14
683	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
682	Measurements of Higgs boson properties in the diphoton decay channel with 36 fb <sup>-1</sup> of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	74
681	Operation and performance of the ATLAS Tile Calorimeter in Run <sup>1</sup> . <i>European Physical Journal C</i> , <b>2018</b> , 78, 987	4.2	13
680	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
679	Search for heavy resonances decaying to a photon and a hadronically decaying Z/W/H boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	8
678	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	10
677	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
676	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
675	Combined measurement of differential and total cross sections in the $H \rightarrow \tau\tau$ and the $H \rightarrow ZZ \rightarrow 4\ell$ decay channels at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 786, 114-133	4.2	14
674	Searches for exclusive Higgs and Z boson decays into $J/\psi(2S)$ and $\psi(nS)$ at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 786, 134-155	4.2	14
673	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
672	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
671	Observation of $H \rightarrow b\bar{b}$ decays and VH production with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 786, 59-86	4.2	87
670	Combination of searches for heavy resonances decaying into bosonic and leptonic final states using 36 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	23
669	Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \rightarrow 4\ell$ and $ZZ \rightarrow 2\ell\ell$ final states with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 786, 223-244	4.2	28
668	Search for charged Higgs bosons decaying via $H_{\pm} \rightarrow \ell\bar{\nu}_{\ell}$ in the $\ell$ -jets and $\ell$ -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
667	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

666	Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark Production in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2018</b> , 121, 152002	7.4	9
665	Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	11
664	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
663	Search for flavor-changing neutral currents in top quark decays $t \rightarrow Hc$ and $t \rightarrow Hu$ in multilepton final states in proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	12
662	Measurement of the Higgs boson mass in the $H \rightarrow ZZ^* \rightarrow 4\ell$ and $H \rightarrow \tau\tau$ channels with $s=13$ TeV pp collisions using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 784, 345-366	4.2	41
661	Search for exclusive Higgs and Z boson decays to $\tau\tau$ and $\tau\nu$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
660	Measurements of b-jet tagging efficiency with the ATLAS detector using ( $\overline{t}$ ) events at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	31
659	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
658	Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb <sup>-1</sup> of $s=13$ TeV pp collision data with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	80
657	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
656	Search for R-parity-violating supersymmetric particles in multi-jet final states produced in $p\bar{p}$ collisions at $s=13$ TeV using the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 785, 136-158	4.2	10
655	Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in $s=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	14
654	Search for Low-Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 081801	7.4	29
653	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 565	4.2	34
652	Search for top squarks decaying to tau sleptons in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	6
651	Measurement of jet fragmentation in Pb+Pb and pp collisions at $s_{NN}=5.02$ TeV with the ATLAS detector. <i>Physical Review C</i> , <b>2018</b> , 98,	2.7	12
650	Measurement of the Soft-Drop Jet Mass in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2018</b> , 121, 092001	7.4	24
649	Search for supersymmetry in events with four or more leptons in $s=13$ TeV pp collisions with ATLAS. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	16

648	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 625	4.2	15
647	$ZZ \rightarrow \tau\tau + \mu\mu$ cross-section measurements and search for anomalous triple gauge couplings in 13 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	21
646	Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	47
645	Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. <i>Physical Review Letters</i> , <b>2018</b> , 120, 211802	7.4	27
644	Search for $B \rightarrow \tau \tau$ R-parity-violating top squarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS experiment. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	8
643	Search for the standard model Higgs boson produced in association with top quarks and decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	31
642	Search for a Structure in the $B_{\tau^+ \tau^-}$ Invariant Mass Spectrum with the ATLAS Experiment. <i>Physical Review Letters</i> , <b>2018</b> , 120, 202007	7.4	28
641	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
640	Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the $\tau\tau$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 782, 750-767	4.2	15
639	Search for dark matter in association with a Higgs boson decaying to b-quarks in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 11-31	4.2	23
638	Search for new resonances decaying to a W or Z boson and a Higgs boson in the $\tau\tau b\bar{b}$ , $\tau\tau b\bar{b}$ , and $\tau\tau b\bar{b}$ channels with pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 32-52	4.2	17
637	Measurement of W boson angular distributions in events with high transverse momentum jets at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 132-153	4.2	8
636	Measurement of the $\sigma(\tau\tau)$ and $\sigma(\tau\tau)$ production cross sections in multilepton final states using 3.2 fb $^{-1}$ of $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 40	4.2	14
635	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
634	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
633	Search for heavy resonances decaying to a Z boson and a photon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 764, 11-30	4.2	16
632	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 $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 220	4.2	5
631	Measurement of the boson polarisation in $\tau\tau$ events from collisions at $\sqrt{s}=8$ TeV in the lepton+jet channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4.2	19

630	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
629	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
628	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
627	High-ET isolated-photon plus jets production in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Nuclear Physics B</i> , <b>2017</b> , 918, 257-316	2.8	13
626	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
625	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
624	Measurement of the $W+W$ production cross section in pp collisions at a centre-of-mass energy of $s=13$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 773, 354-374	4.2	7
623	Search for new phenomena in high-mass diphoton final states using 37 fb of proton-proton collisions collected at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 775, 105-125	4.2	52
622	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
621	Fiducial, total and differential cross-section measurements of $\gamma$ -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
620	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
619	Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for pp collisions at $s=5.02$ and 13 TeV and p+Pb collisions at $s_{NN}=5.02$ TeV with the ATLAS detector. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	34
618	Search for anomalous electroweak production of $WW/WZ$ in association with a high-mass dijet system in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	17
617	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
616	Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	10
615	Measurement of $W$ $\Delta$ $W$ vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	13
614	Measurement of the $t\bar{t}$ production cross section in the $n$ -jets final state in pp collisions at $s=8$ TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	1
613	Measurement of the cross section for inclusive isolated-photon production in pp collisions at $s=13$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 770, 473-493	4.2	25

612	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
611	Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. <i>Physical Review C</i> , <b>2017</b> , 95,	2.7	13
610	Search for the Dimuon Decay of the Higgs Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2017</b> , 119, 051802	7.4	29
609	Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ Using $36 \text{ fb}^{-1}$ of pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181804	7.4	25
608	Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2017</b> , 119, 191803	7.4	30
607	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
606	Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 775, 206-228	4.2	12
605	Measurement of lepton differential distributions and the top quark mass in production in collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 804	4.2	11
604	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
603	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
602	Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $q\bar{q}(\gamma)bb$ final state in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 494-515	4.2	20
601	Measurement of jet $p_T$ correlations in Pb + Pb and pp collisions at $s_{NN}=2.76$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 379-402	4.2	15
600	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
599	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
598	Measurement of the ZZ production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV using the $ZZ \rightarrow \mu\mu\tau\tau$ and ( $ZZ \rightarrow \ell\ell^+\ell\ell^+\nu\bar{\nu}$ ) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
597	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
596	Measurements of $\chi(3512)$ and $X(3872) \rightarrow J/\psi \chi$ 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
595	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



594	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
593	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
592	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
591	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
590	Precision measurement and interpretation of inclusive , and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4.2	56
589	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
588	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
587	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
586	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
585	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
584	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 765	4.2	10
583	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
582	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
581	Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	116
580	Search for dark matter in association with a Higgs boson decaying to two photons at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	11
579	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
578	Femtoscopy with identified charged pions in proton-lead collisions at $s_{NN}=5.02$ TeV with ATLAS. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	1
577	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

576	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
575	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
574	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
573	Searches for the $Z\bar{\nu}$ 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
572	Studies of $Z\bar{\nu}$ 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
571	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
570	Search for new phenomena in dijet events using 37 fb of pp collision data collected at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	89
569	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \bar{\nu}\nu$ 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
568	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
567	Measurements of top quark spin observables in ( $\bar{t}t$ ) 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
566	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
565	Top-quark mass measurement in the all-hadronic ( $\bar{t}t$ ) 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
564	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
563	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
562	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb 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
561	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
560	Study of the material of the ATLAS inner detector for Run 2 of the LHC. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P12009-P12009	1	19
559	Measurement of the $k_t$ splitting scales in $Z \rightarrow \bar{\nu}\nu$ 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

558	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
557	Evidence for the $(H \rightarrow \overline{b}b)$ decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	50
556	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
555	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
554	Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	17
553	Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P05002-P05002	1	7
552	A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeVppcollisions. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P11020-P11020	1	7
551	Search for scalar leptoquarks inppcollisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. <i>New Journal of Physics</i> , <b>2016</b> , 18, 093016	2.9	51
550	Search for Higgs and Z Boson Decays to $\tau\tau$ with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2016</b> , 117, 111802	7.4	5
549	Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $s=8$ TeV proton-proton collisions using the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	30
548	Search for the electroweak production of supersymmetric particles in $s=8$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	46
547	Measurement of jet charge in dijet events from $s=8$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	18
546	Centrality, rapidity, and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at $s_{NN}=2.76$ TeV measured with the ATLAS detector. <i>Physical Review C</i> , <b>2016</b> , 93,	2.7	26
545	Measurement of the correlation between the polar angles of leptons from top quark decays in the helicity basis at $s=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	10
544	Search for magnetic monopoles and stable particles with high electric charges in 8 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	34
543	Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	16
542	Measurements of $W\tau Z$ production cross sections in pp collisions at $s=8$ TeV with the ATLAS detector and limits on anomalous gauge boson self-couplings. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	47
541	Search for the standard model Higgs boson produced in association with a vector boson and decaying into a tau pair in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3

540	Measurements of $Z\bar{b}b$ and $Zb\bar{b}$ production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	29
539	Search for metastable heavy charged particles with large ionization energy loss in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS experiment. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	31
538	Measurement of the ZZ Production Cross Section in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2016</b> , 116, 101801	7.4	25
537	Observation of Long-Range Elliptic Azimuthal Anisotropies in $\sqrt{s}=13$ and 2.76 TeV pp Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2016</b> , 116, 172301	7.4	140
536	Measurement of the $t\bar{t}$ production cross-section using $e\bar{b}$ events with b-tagged jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 761, 136-157	4.2	47
535	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
534	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
533	Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s}=13$ TeV with the ATLAS Detector at the LHC. <i>Physical Review Letters</i> , <b>2016</b> , 117, 182002	7.4	92
532	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	364
531	Measurement of the charged-particle multiplicity inside jets from $[Formula: see text]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 322	4.2	35
530	Measurement of jet activity in top quark events using the $e\bar{b}$ 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
529	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
528	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e\bar{b}$ with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
527	Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	4
526	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
525	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
524	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
523	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

522	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
521	Measurement of top quark pair differential cross sections in the dilepton channel in pp collisions at $s=7$ and 8 TeV with ATLAS. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	13
520	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4.2	48
519	Search for pair production of gluinos decaying via stop and sbottom in events with b-jets and large missing transverse momentum in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	24
518	Search for pair production of Higgs bosons in the $b\bar{b}$ final state using proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	35
517	Measurement of exclusive $\bar{b}W+W\bar{b}$ production and search for exclusive Higgs boson production in pp collisions at $s=8$ TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	23
516	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 283	4.2	42
515	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188
514	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4.2	7
513	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
512	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
511	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
510	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
509	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
508	Measurement of the CP-violating phase $\phi_s$ and the $B^0_s$ meson decay width difference with $B^0_s \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
507	Search for squarks and gluinos in final states with jets and missing transverse momentum at [Formula: see text] =13 [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4.2	53
506	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
505	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



504	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
503	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
502	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
501	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
500	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
499	Measurements of four-lepton production in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 753, 552-572	4.2	15
498	Measurement of the charge asymmetry in highly boosted top-quark pair production in $s=8$ TeV pp collision data collected by the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 756, 52-71	4.2	11
497	Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton-proton collisions at $s=2.76$ TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 756, 10-28	4.2	9
496	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using $s=13$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 757, 334-355	4.2	21
495	Search for single production of a vector-like quark via a heavy gluon in the $4b$ final state with the ATLAS detector in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 758, 249-268	4.2	13
494	Search for new phenomena in dijet mass and angular distributions from pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 754, 302-322	4.2	104
493	Evidence for single top-quark production in the $s$ -channel in proton-proton collisions at $s=8$ TeV with the ATLAS detector using the Matrix Element Method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 756, 228-246	4.2	25
492	Charged-particle distributions in $s=13$ TeV pp interactions measured with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 758, 67-88	4.2	44
491	Combination of searches for $WW$ , $WZ$ , and $ZZ$ resonances in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 755, 285-305	4.2	27
490	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
489	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
488	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
487	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

486	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
485	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
484	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
483	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
482	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
481	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional $\gamma$ -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
480	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
479	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 45	4.2	152
478	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
477	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ( $\sqrt{s}=8, \text{mathrm TeV}$ ) with the ATLAS detector <b>2016</b> , 76, 1		1
476	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
475	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
474	The prototype design of gFEX $\mu$ component of the l1calo trigger for the ATLAS phase-I upgrade <b>2016</b> ,		4
473	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
472	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
471	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
470	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
469	Search for minimal supersymmetric standard model Higgs Bosons $H^\pm$ 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

468	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
467	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
466	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
465	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
464	Search for the Higgs boson produced in association with a boson and decaying to four $\tau$ -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
463	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
462	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
461	Measurement of total and differential $W + W \tau$ production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	30
460	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
459	<b>2016</b> ,		4
458	Measurement of $W+W\tau$ production in association with one jet in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 763, 114-133	4.2	3
457	Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 763, 251-268	4.2	23
456	Transverse momentum, rapidity, and centrality dependence of inclusive charged-particle production in $\sqrt{s}=5.02$ TeV p+ Pb collisions measured by the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 763, 313-336	4.2	29
455	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	126
454	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
453	Dijet production in $\sqrt{s}=7$ TeV pp collisions with large rapidity gaps at the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 754, 214-234	4.2	23
452	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
451	Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H \rightarrow \tau\tau$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 753, 69-85	4.2	29

450	Measurement of $D^*_{\text{H}}$ , $D_{\text{H}}$ and $Ds_{\text{H}}$ meson production cross sections in pp collisions at $s=7\sqrt{\text{TeV}}$ with the ATLAS detector. <i>Nuclear Physics B</i> , <b>2016</b> , 907, 717-763	4.2	32
449	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] $\sqrt{\text{TeV}}$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 12	4.2	16
448	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
447	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] $\sqrt{\text{TeV}}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 81	4.2	7
446	Search for charged Higgs bosons in the $H_{\text{H}} \rightarrow tb$ 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
445	Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb $^{-1}$ of proton-proton collision data at $s=13\sqrt{\text{TeV}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 647-665	4.2	34
444	Measurement of $W_{\text{H}}$ and Z-boson production cross sections in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 601-621	4.2	64
443	Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $s=13\sqrt{\text{TeV}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 520-537	4.2	11
442	Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $s=13\sqrt{\text{TeV}}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 761, 372-392	4.2	48
441	Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $s=13\sqrt{\text{TeV}}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 334-352	4.2	12
440	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
439	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text] $\sqrt{\text{TeV}}$ [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
438	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
437	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $s=13\sqrt{\text{TeV}}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 229-246	4.2	17
436	Measurement of the total cross section from elastic scattering in pp collisions at $s=8\sqrt{\text{TeV}}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 761, 158-178	4.2	72
435	Measurement of the $W_{\text{H}}Z$ boson pair-production cross section in pp collisions at $s=13\sqrt{\text{TeV}}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 1-22	4.2	17
434	Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $s=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	41
433	Search for single production of vector-like quarks decaying into in collisions at [Formula: see text] $\sqrt{\text{TeV}}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 442	4.2	24

432	Measurement of the top quark mass in the $t\bar{t} \rightarrow$ dilepton channel from $\sqrt{s}=8$ TeV ATLAS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 761, 350-371	4.2	42
431	Search for charged Higgs bosons produced in association with a top quark and decaying via $H^\pm \rightarrow \tau \nu$ using pp collision data recorded at $\sqrt{s}=13$ TeV by the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 555-574	4.2	44
430	Measurement of the relative width difference of the $(B^0 \text{ and } \bar{B}^0)$ system with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5
429	Search for $W \rightarrow tb$ in the lepton plus jets final state in proton-proton collisions at a centre-of-mass energy of $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 743, 235-255	4.2	42
428	Search for a CP-odd Higgs boson decaying to $Zh$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 744, 163-183	4.2	88
427	Search for Higgs and Z Boson Decays to $J/\psi$ and $\psi(nS)$ with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2015</b> , 114, 121801	7.4	33
426	Search for Higgs boson pair production in the $B\bar{B}$ final state using pp collision data at $\sqrt{s}=8$ TeV from the ATLAS detector. <i>Physical Review Letters</i> , <b>2015</b> , 114, 081802	7.4	90
425	Search for new phenomena in the dijet mass distribution using pp collision data at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	196
424	Measurements of the Nuclear Modification Factor for Jets in Pb+Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2015</b> , 114, 072302	7.4	99
423	Measurements of Higgs boson production and couplings in the four-lepton channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	125
422	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	62
421	Search for Scalar Charm Quark Pair Production in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2015</b> , 114, 161801	7.4	20
420	Measurement of spin correlation in top-antitop quark events and search for top squark pair production in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physical Review Letters</i> , <b>2015</b> , 114, 142001	7.4	48
419	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4.2	194
418	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 79	4.2	21
417	Search for resonant diboson production in the $WZ$ final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 69	4.2	62
416	Measurements of the $WZ$ 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
415	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 92	4.2	60



414	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
413	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
412	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
411	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
410	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
409	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
408	Search for charged Higgs bosons decaying via $H \rightarrow \tau \tau$ 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
407	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
406	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
405	Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 337	4.2	27
404	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
403	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
402	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
401	Search for a new resonance decaying to a or 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
400	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
399	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
398	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
397	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 476	4.2	104

396	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
395	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
394	Search for the associated production of the Higgs boson with a top quark pair in multilepton final states with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 749, 519-541	4.2	51
393	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
392	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
391	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
390	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
389	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , <b>2015</b> , 75, 510	4.2	109
388	Measurement of the correlation between flow harmonics of different order in lead-lead collisions at sNN=2.76 TeV with the ATLAS detector. <i>Physical Review C</i> , <b>2015</b> , 92,	2.7	59
387	Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at s=8 TeV. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	29
386	Observation and measurement of Higgs boson decays to WW* with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	86
385	Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in pp collisions at s=8 TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	75
384	Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	5
383	Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the H→bb and H→ZZ^{*}→4l Decay Channels at sqrt[s]=8 TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2015</b> , 115, 091801	7.4	32
382	Measurement of differential J/ψ production cross sections and forward-backward ratios in p + Pb collisions with the ATLAS detector. <i>Physical Review C</i> , <b>2015</b> , 92,	2.7	19
381	Z boson production in p+Pb collisions at sNN=5.02 TeV measured with the ATLAS detector. <i>Physical Review C</i> , <b>2015</b> , 92,	2.7	29
380	Observation of top-quark pair production in association with a photon and measurement of the tt production cross section in pp collisions at s=7 TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	18
379	Search for vectorlike B quarks in events with one isolated lepton, missing transverse momentum, and jets at s=8 TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	44

378	Measurement of the top pair production cross section in 8 TeV proton-proton collisions using kinematic information in the lepton+jets final state with ATLAS. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	20
377	Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	52
376	Search for type-III seesaw heavy leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	17
375	Search for high-mass diphoton resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	85
374	Search for Higgs bosons decaying to $aa$ in the $4\ell$ final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS experiment. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	40
373	Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	16
372	Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector at the LHC. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	22
371	Searches for Higgs boson pair production in the $hh \rightarrow bb\gamma\gamma W^*W^*$ , $Bb$ , $bbbb$ channels with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	87
370	Search for pair production of a new heavy quark that decays into a W boson and a light quark in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	40
369	Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s}=8$ TeV Measured with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2015</b> , 114, 221802	7.4	18
368	Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay $H(\pm) \rightarrow W(\pm)Z$ using pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Experiment. <i>Physical Review Letters</i> , <b>2015</b> , 114, 231801	7.4	36
367	Search for a Heavy Neutral Particle Decaying to $e\bar{e}$ or $\mu\bar{\mu}$ in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2015</b> , 115, 031801	7.4	18
366	Evidence of $W$ Production in pp Collisions at $\sqrt{s}=8$ TeV and Limits on Anomalous Quartic Gauge Couplings with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2015</b> , 115, 031802	7.4	20
365	Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2015</b> , 115, 131801	7.4	32
364	Determination of the Ratio of b-Quark Fragmentation Fractions $f(s)/f(d)$ in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , <b>2015</b> , 115, 262001	7.4	15
363	Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 751, 376-395	4.2	14
362	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
361	A search for high-mass resonances decaying to $\mu\bar{\mu}$ 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

360	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
359	Search for lepton-flavour-violating $H \rightarrow \tau\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	46
358	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
357	Measurement of transverse energy-energy correlations in multi-jet events in pp collisions at $s=7$ TeV using the ATLAS detector and determination of the strong coupling constant $\alpha_s(m_Z)$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 750, 427-447	4-2	19
356	Measurement of colour flow with the jet pull angle in $t\bar{t}$ events using the ATLAS detector at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 750, 475-493	4-2	14
355	Measurement of exclusive $B\bar{B}$ production in proton-proton collisions at $s=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 749, 242-261	4-2	29
354	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
353	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
352	Measurement of charged-particle spectra in Pb+Pb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	49
351	Analysis of events with b-jets and a pair of leptons of the same charge 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	26
350	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
349	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
348	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
347	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
346	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
345	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
344	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
343	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

342	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
341	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
340	Centrality and rapidity dependence of inclusive jet production in $\sqrt{s}=5.02$ TeV proton-lead collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 748, 392-413	4.2	77
339	gFEX, the ATLAS Calorimeter Level-1 real time processor <b>2015</b> ,		4
338	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
337	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments. <i>Physical Review Letters</i> , <b>2015</b> , 114, 191803	7.4	709
336	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
335	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
334	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
333	Search for $[B \rightarrow \tau \nu]$ decays in $[B \rightarrow \tau \nu]$ collisions at $[B \rightarrow \tau \nu]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 165	4.2	25
332	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $[B \rightarrow \tau \nu]$ . <i>European Physical Journal C</i> , <b>2015</b> , 75, 158	4.2	8
331	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $[B \rightarrow \tau \nu]$ TeV $[B \rightarrow \tau \nu]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 208	4.2	50
330	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
329	Measurement of the branching ratio $(B^0 \rightarrow \tau S^0)/(B^0 \rightarrow J/\psi)$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 751, 63-80	4.2	9
328	Search for metastable heavy charged particles with large ionisation energy loss in collisions at $[B \rightarrow \tau \nu]$ TeV using the ATLAS experiment. <i>European Physical Journal C</i> , <b>2015</b> , 75, 407	4.2	18
327	Search for $H \rightarrow \tau \tau$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 740, 222-242	4.2	55
326	Search for s-channel single top-quark production in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 740, 118-136	4.2	16
325	Measurement of the production and lepton charge asymmetry of $[B \rightarrow \tau \nu]$ bosons in Pb+Pb collisions at $[B \rightarrow \tau \nu]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 23	4.2	31



324	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
323	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at ( $\sqrt{s}=8\sim$ )TeV with the ATLAS detector <b>2015</b> , 75, 1		2
322	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
321	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
320	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
319	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
318	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
317	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
316	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
315	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
314	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
313	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
312	Measurement of the production cross section of prompt J/ $\Upsilon$ mesons in association with a W $\pm$ 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
311	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
310	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
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308	Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \mu\mu$ using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5.4	30
307	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

306	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
305	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
304	Measurement of $\tau_1$ and $\tau_2$ 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
303	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
302	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
301	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
300	Search for new phenomena in photon+jet events collected in proton-proton collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 562-578	4.2	33
299	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
298	Measurement of the total cross section from elastic scattering in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Nuclear Physics B</i> , <b>2014</b> , 889, 486-548	2.8	105
297	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
296	Measurement of Higgs boson production in the diphoton decay channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	175
295	Comprehensive measurements of t-channel single top-quark production cross sections at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	47
294	Measurements of spin correlation in top-antitop quark events from proton-proton collisions at $s=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	27
293	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
292	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
291	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
290	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
289	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $(\sqrt{s}=8)$ TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	108

288	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
287	Search for WZ resonances in the fully leptonic channel using pp collisions at s=8 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 737, 223-243	4.2	52
286	Search for the Standard Model Higgs boson decay to $\mu\mu$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 738, 68-86	4.2	52
285	Measurement of the cross section of high transverse momentum $Z \rightarrow b\bar{b}$ production in proton-proton collisions at s=8 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 738, 25-43	4.2	10
284	Fiducial and differential cross sections of Higgs boson production measured in the four-lepton decay channel in pp collisions at s=8 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 738, 234-253	4.2	55
283	Search for new resonances in W and Z final states in pp collisions at s=8 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 738, 428-447	4.2	112
282	Measurement of inclusive jet charged-particle fragmentation functions in Pb+Pb collisions at s <sub>NN</sub> =2.76 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 739, 320-342	4.2	109
281	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2014</b> , 16, 113013	2.9	19
280	Search for quantum black hole production in high-invariant-mass lepton+jet final states using pp collisions at $\sqrt{s} = 8$ TeV and the ATLAS detector. <i>Physical Review Letters</i> , <b>2014</b> , 112, 091804	7.4	25
279	Search for high-mass dilepton resonances in pp collisions at s=8 TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	209
278	Measurements of four-lepton production at the Z resonance in pp collisions at $\sqrt{s} = 7$ and 8 TeV with ATLAS. <i>Physical Review Letters</i> , <b>2014</b> , 112, 231806	7.4	34
277	Evidence for electroweak production of $W^{\pm}W^{\pm}jj$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2014</b> , 113, 141803	7.4	73
276	Measurements of normalized differential cross sections for $t\bar{t}$ production in pp collisions at (s)=7 TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	64
275	Flavor tagged time-dependent angular analysis of the $B_s^0 \rightarrow J/\psi$ decay and extraction of $\beta$ and the weak phase $\gamma_s$ in ATLAS. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	21
274	Search for dark matter in events with a Z boson and missing transverse momentum in pp collisions at s=8 TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	79
273	Search for scalar diphoton resonances in the mass range 65-600 GeV with the ATLAS detector in pp collision data at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , <b>2014</b> , 113, 171801	7.4	117
272	Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	113
271	Measurement of the inclusive isolated prompt photons cross section in pp collisions at s=7 TeV with the ATLAS detector using 4.6 fb <sup>-1</sup> . <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	39

270	Search for the lepton flavor violating decay $Z \rightarrow e\mu$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	37
269	Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	10
268	Measurement of the Higgs boson mass from the $H \rightarrow \tau\tau$ and $H \rightarrow ZZ^* \rightarrow 4\tau$ channels in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	151
267	Search for dark matter in events with a hadronically decaying W or Z boson and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2014</b> , 112, 041802	7.4	117
266	Measurement of long-range pseudorapidity correlations and azimuthal harmonics in $\sqrt{s_{NN}}=5.02$ TeV proton-lead collisions with the ATLAS detector. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	87
265	Observation of an excited $B_c(\Xi)$ meson state with the ATLAS detector. <i>Physical Review Letters</i> , <b>2014</b> , 113, 212004	7.4	52
264	Measurement of event-plane correlations in $\sqrt{s_{NN}}=2.76$ TeV lead-lead collisions with the ATLAS detector. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	109
263	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	115
262	Search for supersymmetry in events with four or more leptons in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	38
261	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
260	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
259	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
258	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
257	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
256	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
255	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
254	Measurement of the production cross-section of $(\Xi S) \rightarrow J/\psi + \Xi + \Xi$ 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
253	Measurement of the Z/ $\Phi$ 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

252	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
251	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
250	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
249	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
248	Search for Higgs boson decays to a photon and a Z boson in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 732, 8-27	4.2	66
247	Measurement of the ( $\overline{t}$ ) production cross-section using (emu) 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
246	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
245	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
244	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
243	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
242	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
241	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
240	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
239	Measurement of splitting scales in $\rightarrow$ events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
238	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
237	Measurement of angular correlations in Drell-Yan lepton pairs to probe Z boson transverse momentum at $s=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 720, 32-51	4.2	33
236	A search for high-mass resonances decaying to . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 242-260	4.2	15
235	Measurement of the high-mass Drell-Yan differential cross-section in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 725, 223-242	4.2	55



234	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 720, 277-308	4.2	36
233	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 120-144	4.2	267
232	Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 88-119	4.2	268
231	Search for $tt\bar{t}$ resonances in the lepton plus jets final state with ATLAS using $4.7 \text{ fb}^{-1}$ of pp collisions at $s=7 \text{ TeV}$ . <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	38
230	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
229	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
228	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
227	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
226	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
225	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
224	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
223	Jet energy measurement 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	209
222	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
221	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
220	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
219	Search for charginos nearly mass degenerate with the lightest neutralino based on a disappearing-track signature in pp collisions at ( $s=8$ ) TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	92
218	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
217	Measurement of isolated-photon pair production 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	44

216	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
215	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
214	Search for single $\tau$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 721, 171-189	4-2	9
213	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 220-241	4-2	165
212	Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 720, 13-31	4-2	33
211	Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s}=7$ TeV. <i>Nuclear Physics B</i> , <b>2013</b> , 875, 483-535	5-8	24
210	Measurement with the ATLAS detector of multi-particle azimuthal correlations in $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 725, 60-78	4-2	153
209	Search for pair production of heavy top-like quarks decaying to a high- $p_T$ W boson and a b quark in the lepton plus jets final state at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 1284-1302	4-2	37
208	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 299-317	4-2	27
207	Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 722, 305-323	4-2	35
206	Search for a heavy narrow resonance decaying to $e^+e^-$ or $\mu^+\mu^-$ with the ATLAS detector in $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 723, 15-32	4-2	13
205	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	55
204	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	44
203	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	12
202	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
201	Jet energy resolution in proton-proton collisions at $\sqrt{s}=7$ TeV recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4-2	153
200	Measurement of the $\tau$ 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
199	Measurement of top quark polarization in top-antitop events from proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review Letters</i> , <b>2013</b> , 111, 232002	7-4	40

198	Measurement of hard double-parton interactions in $W(\rightarrow \mu\mu) + 2$ -jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2013</b> , 15, 033038	2.9	116
197	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
196	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector at the LHC. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043007	2.9	35
195	Search for resonant diboson production in the $WW/WZ \rightarrow \mu\mu$ decay channels with the ATLAS detector at $s = 7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	18
194	Observation of associated near-side and away-side long-range correlations in $\sqrt{s(NN)} = 5.02$ TeV proton-lead collisions with the ATLAS detector. <i>Physical Review Letters</i> , <b>2013</b> , 110, 182302	7.4	333
193	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4.7 fb of $s = 7$ TeV proton-proton collision data. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	101
192	Measurement of $\epsilon$ production in 7 TeV pp collisions at ATLAS. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	68
191	Search for dark matter candidates and large extra dimensions in events with a photon and missing transverse momentum in pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2013</b> , 110, 011802	7.4	99
190	Search for long-lived stopped R-hadrons decaying out of time with pp collisions using the ATLAS detector. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	53
189	Measurement of Z boson production in Pb-Pb collisions at $\sqrt{s(NN)} = 2.76$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2013</b> , 110, 022301	7.4	51
188	Measurement of $W+W\mu$ production in pp collisions at $s = 7$ TeV with the ATLAS detector and limits on anomalous $WWZ$ and $WW\mu$ couplings. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	70
187	Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	13
186	Search for new phenomena in events with three charged leptons at $s = 7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	14
185	Measurements of $W\mu$ and $Z\mu$ production in pp collisions at $s = 7$ TeV with the ATLAS detector at the LHC. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	49
184	Measurement of the azimuthal angle dependence of inclusive jet yields in Pb+Pb collisions at $\sqrt{s(NN)} = 2.76$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2013</b> , 111, 152301	7.4	45
183	Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at $s = 7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 418-437	4.2	30
182	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $s = 7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 438-458	4.2	42
181	Measurement of the top quark pair production cross section in pp collisions at $s = 7$ TeV in dilepton final states with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 459-477	4.2	41

180	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 330-348	4.2	200
179	Search for first generation scalar leptoquarks in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 158-176	4.2	40
178	Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 363-382	4.2	104
177	Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 322-340	4.2	16
176	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $s=7$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 67-85	4.2	142
175	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ(\gamma\gamma) \rightarrow 4\ell$ with 4.8 fb $^{-1}$ of pp collision data at $s=7$ TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 383-402	4.2	86
174	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 711, 244-263	4.2	64
173	Measurement of the WW cross section in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 289-308	4.2	33
172	Search for FCNC single top-quark production at $s=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 351-369	4.2	35
171	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
170	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ( $\sqrt{s} = 7$ TeV) with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
169	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
168	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
167	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
166	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
165	Measurement of polarization in $\tau \rightarrow \mu \nu \bar{\nu}$ 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
164	Measurement of the cross section for top-quark pair production in pp collisions at ( $\sqrt{s} = 7$ 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
163	Jet mass and substructure of inclusive jets in ( $\sqrt{s} = 7$ TeV) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	67

162	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
161	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb <sup>-1</sup> of ( $\sqrt{s} = 7$ ;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	48
160	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
159	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ 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
158	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ( $\sqrt{s}=7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	31
157	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
156	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
155	Search for anomalous production of prompt like-sign lepton pairs at ( $\sqrt{s}=7$ ;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	16
154	Time-dependent angular analysis of the decay $B_s^0 \rightarrow J/\psi \phi$ and extraction of $\beta$ and the CP-violating weak phase $\gamma$ by ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5-4	23
153	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ( $\sqrt{s}=7$ ;TeV) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
152	Search for R-parity-violating supersymmetry in events with four or more leptons in ( $\sqrt{s}=7$ ;TeV) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	13
151	Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	35
150	Measurement of the production cross section for $Z/\gamma$ in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	28
149	Measurement of the inclusive $W/\gamma$ and $Z/\gamma$ cross sections in the e and $\mu$ decay channels in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	117
148	Measurement of the transverse momentum distribution of W bosons in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	34
147	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s}=7$ TeV pp collisions using 1 fb <sup>-1</sup> of ATLAS data. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	53
146	Measurement of the b-hadron production cross section using decays to $\mu$ . <i>Nuclear Physics B</i> , <b>2012</b> , 864, 341-381	2.8	17
145	Search for the decay $\mu \rightarrow e \gamma$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 387-407	4.2	55



144	Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 714, 180-196	4.2	10
143	Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying $\tau$ lepton in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 714, 197-214	4.2	6
142	Search for scalar top quark pair production in natural gauge mediated supersymmetry models with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 715, 44-60	4.2	16
141	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 122-141	4.2	12
140	Search for the Standard Model Higgs boson in the $H \rightarrow WW(\rightarrow \tau\tau)$ decay mode with 4.7 fb of ATLAS data at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 62-81	4.2	44
139	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 142-159	4.2	55
138	Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 1-29	4.2	5271
137	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
136	Rapidity gap cross sections measured 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	70
135	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
134	Measurement of $[t\bar{t}]$ production with a veto on additional central jet activity in collisions at $[7 \text{ TeV}]$ using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4.2	82
133	A search for $[t\bar{t}]$ resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at $[7 \text{ TeV}]$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4.2	14
132	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
131	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
130	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
129	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
128	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
127	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

126	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
125	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
124	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
123	Search for a standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel using 4.7 fb <sup>-1</sup> of $s=7\text{TeV}$ data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 29-48	4.2	12
122	Search for a Standard Model Higgs boson in the mass range 200-800 GeV in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 70-88	4.2	9
121	Measurement of the t-channel single top-quark production cross section in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 330-350	4.2	91
120	Measurement of the top quark pair cross section with ATLAS in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 89-108	4.2	38
119	Combined search for the Standard Model Higgs boson in pp collisions at $s=7 \text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	96
118	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
117	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
116	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
115	Search for charged Higgs bosons decaying via $H \rightarrow \tau \nu$ 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
114	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
113	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
112	Search for a supersymmetric partner to the top quark in final states with jets and missing transverse momentum at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 109, 211802	7.4	57
111	ATLAS measurements of the properties of jets for boosted particle searches. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	20
110	Search for pair production of a heavy up-type quark decaying to a W boson and a b quark in the lepton + jets channel with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 108, 261802	7.4	26
109	Measurement of inclusive jet and dijet production in pp collisions at $s=7 \text{ TeV}$ using the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	107

108	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	30
107	Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	11
106	Search for pair production of a new $b'$ quark that decays into a Z boson and a bottom quark with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 109, 071801	7.4	23
105	Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{s_{NN}}=2.76$ TeV lead-lead collisions with the ATLAS detector. <i>Physical Review C</i> , <b>2012</b> , 86,	2.7	313
104	Further search for supersymmetry at $\sqrt{s}=7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	42
103	Determination of the strange-quark density of the proton from ATLAS measurements of the $W \rightarrow \mu$ and $Z \rightarrow \mu\mu$ cross sections. <i>Physical Review Letters</i> , <b>2012</b> , 109, 012001	7.4	98
102	Search for production of resonant states in the photon-jet mass distribution using pp collisions at $\sqrt{s}=7$ TeV collected by the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 108, 211802	7.4	11
101	Search for pair-produced heavy quarks decaying to $Wq$ in the two-lepton channel at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	21
100	Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying W bosons. <i>Physical Review Letters</i> , <b>2012</b> , 109, 032001	7.4	35
99	Measurement of the CP-violating phase $\arg(\lambda_{cb})$ using the flavor-tagged decay $B_s^0 \rightarrow J/\psi$ in 8 fb <sup>-1</sup> of pp collisions. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	70
98	Search for resonant WZ production in the $WZ \rightarrow \ell\ell\nu$ channel in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	12
97	Measurement of the differential cross-sections of inclusive, prompt and non-prompt $J/\psi$ production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Nuclear Physics B</i> , <b>2011</b> , 850, 387-444	2.8	130
96	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 9-27	4.2	17
95	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 294-312	4.2	52
94	Measurement of the transverse momentum distribution of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 415-434	4.2	55
93	Model-independent measurement of t-channel single top quark production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 313-319	4.2	40
92	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s}=7$ TeV using 35 pb <sup>-1</sup> of ATLAS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 706, 150-167	4.2	42
91	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

90	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
89	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
88	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
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	Measurement of the W boson helicity in top quark decays using 5.4 fb <sup>-1</sup> of pp collision data. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	33
73	Measurement of the W <sup>+</sup> W <sup>-</sup> cross section in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. <i>Physical Review Letters</i> , <b>2011</b> , 107, 041802	7.4	23

72	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	112
71	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	24
70	Measurement of the anomalous like-sign dimuon charge asymmetry with 9 fb <sup>-1</sup> of pp collisions. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	88
69	Measurement of the Z $\rightarrow\tau\tau$ cross section with the ATLAS detector. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	18
68	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s}=900$ GeV and 7 TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	44
67	Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 694, 327-345	4.2	53
66	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 353-370	4.2	28
65	Measurement of the W charge asymmetry in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 31-49	4.2	33
64	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 186-203	4.2	108
63	Search for flavor changing neutral currents in decays of top quarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 313-320	4.2	29
62	A search for new physics in dijet mass and angular distributions in pp collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. <i>New Journal of Physics</i> , <b>2011</b> , 13, 053044	2.9	108
61	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , <b>2011</b> , 13, 053033	2.9	259
60	Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 172002	7.4	46
59	Precise study of the Z/ $\gamma$ boson transverse momentum distribution in pp collisions using a novel technique. <i>Physical Review Letters</i> , <b>2011</b> , 106, 122001	7.4	43
58	W $\tau$ production and limits on anomalous WW $\tau$ couplings in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 241803	7.4	18
57	Double parton interactions in $\geq 3$ jet events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	119
56	Search for events with leptonic jets and missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 211802	7.4	18
55	Search for sneutrino production in e $\tau$ final states in 5.3 fb <sup>-1</sup> of pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 191802	7.4	17



54	Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at $\sqrt{s(\text{NN})} = 2.76$ TeV with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , <b>2010</b> , 105, 252303	7.4	458
53	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , <b>2010</b> , 70, 723-753	4.2	41
52	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , <b>2010</b> , 70, 787-821	4.2	70
51	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , <b>2010</b> , 70, 755-785	4.2	12
50	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , <b>2010</b> , 70, 823-874	4.2	817
49	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , <b>2010</b> , 70, 1193-1236	4.2	82
48	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	14
47	Measurement of the $W \rightarrow \mu\nu$ and $Z/\gamma \rightarrow \mu\mu$ 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
46	Measurement of $Z/\gamma + \text{jet} + X$ angular distributions in $pp$ collisions at $s = 1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 682, 370-380	4.2	27
45	Measurement of the t-channel single top quark production cross section. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 682, 363-369	4.2	36
44	Charged-particle multiplicities in $pp$ interactions at $\sqrt{s} = 1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 688, 21-42	4.2	121
43	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb $^{-1}$ of $\sqrt{s} = 1.96$ TeV data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 81-87	4.2	45
42	Measurement of the normalized $R_{\text{dijet}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 522-530	4.2	38
41	Search for dark photons from supersymmetric hidden valleys. <i>Physical Review Letters</i> , <b>2009</b> , 103, 081802	7.4	25
40	Measurement of dijet angular distributions at square root(s) = 1.96 TeV and searches for quark compositeness and extra spatial dimensions. <i>Physical Review Letters</i> , <b>2009</b> , 103, 191803	7.4	68
39	Measurement of the $WW$ production cross section with dilepton final states in $pp$ collisions at square root(s) = 1.96 TeV and limits on anomalous trilinear gauge couplings. <i>Physical Review Letters</i> , <b>2009</b> , 103, 191801	7.4	32
38	Search for charged higgs bosons decaying into top and bottom quarks in $pp$ collisions. <i>Physical Review Letters</i> , <b>2009</b> , 102, 191802	7.4	28
37	Search for dark photons from supersymmetric hidden valleys. <i>Physical Review Letters</i> , <b>2009</b> , 103, 081802	7.4	25

36	Search for next-to-minimal supersymmetric Higgs bosons in the $h \rightarrow a\bar{a} \rightarrow \text{micromicromicro, micromicrotau}\tau$ channels using $pp[\text{over}]$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 103, 061801	7.4	52
35	Observation of single top-quark production. <i>Physical Review Letters</i> , <b>2009</b> , 103, 092001	7.4	172
34	Production of Direct Photons and Jets at the Tevatron. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2009</b> , 186, 7-10		
33	Measurement of $(pp[\text{over}] \rightarrow Z+X)Br(Z \rightarrow \mu\mu)$ at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 670, 292-299	4.2	24
32	Search for a scalar or vector particle decaying into $Z\eta$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 671, 349-355	4.2	15
31	Search for the lightest scalar top quark in events with two leptons in $pp[\text{over}]$ collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 675, 289-296	4.2	22
30	Search for charged Higgs bosons in top quark decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 682, 278-286	4.2	92
29	Determination of the strong coupling constant from the inclusive jet cross section in $pp[\text{over}]$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	43
28	Search for Higgs bosons decaying to tau pairs in $pp$ over collisions with the D0 detector. <i>Physical Review Letters</i> , <b>2008</b> , 101, 071804	7.4	31
27	Measurement of the forward-backward charge asymmetry in top-quark pair production. <i>Physical Review Letters</i> , <b>2008</b> , 100, 142002	7.4	183
26	Search for scalar neutrino superpartners in $e+\mu$ final states in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 241803	7.4	14
25	Measurement of the inclusive jet cross section in $pp[\text{over}]$ collisions at square root $[s]=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 062001	7.4	148
24	Measurement of the shape of the boson-transverse momentum distribution in $pp \rightarrow Z/\gamma^* \rightarrow e+e- + X$ events produced at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 102002	7.4	83
23	Search for large extra dimensions via single photon plus missing energy final states at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 011601	7.4	43
22	Search for ZZ and $Z\gamma^*$ production in $pp[\text{over}]$ collisions at square root $s=1.96$ TeV and limits on anomalous ZZZ and $ZZ\gamma^*$ couplings. <i>Physical Review Letters</i> , <b>2008</b> , 100, 131801	7.4	27
21	Measurement of the differential cross section for the production of an isolated photon with associated jet in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 666, 435-445	4.2	24
20	Measurement of the shape of the boson rapidity distribution for $pp[\text{over}] \rightarrow Z/\gamma^* \rightarrow e+e- + X$ events produced at $s$ of 1.96 TeV. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	58
19	Direct Photon and Neutral Meson Production at Fermilab Fixed-Target Energies. <i>Nuclear Physics A</i> , <b>2007</b> , 783, 335-342	1.3	

18	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $\sqrt{s}=1.96$ TeV using secondary vertex $b$ tagging. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	42
17	Measurement of the isolated photon cross section in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 639, 151-158	4.2	64
16	Nuclear effects in high- $p_T$ production of direct photons and neutral mesons. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	3
15	Measurement of direct photon production at Tevatron fixed target energies. <i>International Journal of Modern Physics A</i> , <b>2005</b> , 20, 3756-3758	1.2	1
14	Measurement of Dijet Azimuthal Decorrelations in $\sqrt{s}$ Collisions. <i>International Journal of Modern Physics A</i> , <b>2005</b> , 20, 3717-3719	1.2	
13	Measurement of direct-photon production at the Fermilab Tevatron fixed target energies. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	26
12	Observation and properties of the $X(3872)$ decaying to $J/\psi\pi^+\pi^-$ in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 162002	7.4	408
11	Production of $D$ and $D_s$ mesons at large transverse momenta in $p$ and $Be$ interactions at 515 GeV/c. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	5
10	A precision measurement of the mass of the top quark. <i>Nature</i> , <b>2004</b> , 429, 638-42	50.4	202
9	Multiple jet production at low transverse energies in $pp$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	10
8	Ratio of isolated photon cross sections in $pp$ macro collisions at square root of $s = 630$ and 1800 GeV. <i>Physical Review Letters</i> , <b>2001</b> , 87, 251805	7.4	33
7	Ratios of multijet Cross Sections in $p p$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2001</b> , 86, 1955-60	7.4	13
6	Examination of direct-photon and pion production in proton-nucleon collisions. <i>Physical Review D</i> , <b>2000</b> , 63,	4.9	19
5	Cross section for $b$ -Jet production in $p p$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 85, 5068-73	7.4	65
4	$k_T$ effects in direct-photon production. <i>Physical Review D</i> , <b>1999</b> , 59,	4.9	89
3	Calibration and performance of the E706 lead and liquid-argon electromagnetic calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1998</b> , 417, 50-68	1.2	8
2	Evidence for Parton $k_T$ Effects in High- $p_T$ Particle Production. <i>Physical Review Letters</i> , <b>1998</b> , 81, 2642-2645	7.4	88
1	Production of charm mesons at high transverse momentum in 515 GeV/c $p$ nucleon collisions. <i>Physical Review D</i> , <b>1997</b> , 56, 1391-1406	4.9	12

