

1	05 January 2016	Eur. Phys. J. C 76 (2016) 1-28	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
2	05 January 2016	Eur. Phys. J. C 76 (2016) 6	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment
3	05 January 2016	Eur. Phys. J. C 76 (2016) 1-24	Study of the $B_c^+ \rightarrow J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^{*+}$ decays with the ATLAS detector
4	07 January 2016	Eur. Phys. J. C 76 (2016) 11	Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional b -jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector
5	07 January 2016	J. High Energy Phys. 01 (2016) 032	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
6	08 January 2016	Eur. Phys. J. C 76 (2016) 12	Search for flavour-changing neutral current top-quark decays to qZ in pp collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV
7	11 January 2016	J. High Energy Phys. 01 (2016) 064	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment
8	13 January 2016	Phys. Rev. D 93 (2016) 012002	Measurement of the correlation between the polar angles of leptons from top quark decays in the helicity basis at $\sqrt{s} = 7$ TeV using the ATLAS detector
9	25 January 2016	Eur. Phys. J. C 76 (2016) 45	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in pp collision data with

			the ATLAS detector
10	28 January 2016	J. High Energy Phys. 01 (2016) 172	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
11	10 February 2016	Phys. Lett. B 753 (2016) 69-85	Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H \rightarrow \gamma\gamma$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector
12	10 February 2016	Phys. Lett. B 753 (2016) 552-572	Measurements of four-lepton production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
13	29 January 2016	Eur. Phys. J. C 76 (2016) 55	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector
14	09 February 2016	J. High Energy Phys. 02 (2016) 062	A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
15	16 February 2016	Eur. Phys. J. C 76 (2016) 81	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
16	17 February 2016	J. High Energy Phys. 02 (2016) 110	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
17	6 February 2016	Phys. Rev. D 93 (2016) 032009	Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS

			detector
18	2 March 2016	Phys. Rev. D 93 (2016) 052003	Measurement of jet charge in dijet events from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
19	4 March 2016	Phys. Rev. D 93 (2016) 052002	Search for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
20	07 March 2016	J. High Energy Phys. 03 (2016) 026	Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC
21	08 March 2016	J. High Energy Phys. 03 (2016) 041	Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
22	10 March 2016	Phys. Lett. B 754 (2016) 214	Dijet production in $\sqrt{s} = 7$ TeV pp collisions with large rapidity gaps at the ATLAS experiment
23	10 March 2016	Phys. Lett. B 754 (2016) 302-322	Search for new phenomena in dijet mass and angular distributions from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
24	4 April 2016	J. Instrum. 11 (2016) P04008	Performance of b-Jet Identification in the ATLAS Experiment
25	05 April 2016	J. High Energy Phys. 04 (2016) 023	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
26	10 April 2016	Phys. Lett. B 755 (2016) 285-305	Combination of searches for WW, WZ, and ZZ resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector

27	12 April 2016	<u><i>Eur. Phys. J. C</i> 76 (2016) 199</u>	<u>Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton--lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector</u>
28	16 April 2016	<u><i>Eur. Phys. J. C</i> 76 (2016) 210</u>	<u>Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</u>
29	18 April 2016	<u><i>Phys. Rev. D</i> 93 (2016) 072007</u>	<u>Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</u>
30	26 April 2016	<u><i>Eur. Phys. J. C</i> 76 (2016) 232</u>	<u>Probing lepton flavour violation via neutrinoless $\tau \rightarrow 3\mu$ decays with the ATLAS detector</u>
31	27 April 2016	<u><i>Phys. Rev. Lett.</i> 116 (2016) 172301</u>	<u>Observation of long-range elliptic anisotropies in $\sqrt{s} = 13$ TeV and 2.76 TeV pp collisions with the ATLAS detector</u>
32	10 May 2016	<u><i>Phys. Lett. B</i> 756 (2016) 10-28</u>	<u>Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton--proton collisions at $\sqrt{s} = 2.76$ TeV with ATLAS</u>
33	10 May 2016	<u><i>Phys. Lett. B</i> 756 (2016) 10-28</u>	<u>Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton--proton collisions at $\sqrt{s} = 2.76$ TeV with ATLAS</u>
34	13 May 2016	<u><i>Phys. Rev. D</i> 93 (2016) 092004</u>	<u>Measurements of $W^\pm Z$ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous gauge boson</u>

			self-couplings
35	17 May 2016	Phys. Rev. D 93 (2016) 092005	Search for the Standard Model Higgs boson produced in association with a vector boson and decaying into a tau pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
36	20 May 2016	Eur. Phys. J. C 76 (2016) 283	Measurement of the differential cross-sections of prompt and non-prompt production of J/psi and psi(2S) in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector
37	23 May 2016	Eur. Phys. J. C 76 (2016) 291	Measurement of the transverse momentum and ϕ_{η}^* distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector -
38	23 May 2016	Eur. Phys. J. C 76 (2016) 292	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV
39	25 May 2016	Eur. Phys. J. C 76 (2016) 295	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment
40	June 2016	Nucl. Phys. B 907 (2016) 717	Measurement of D_{\pm}^* , D_{\pm} and $D_{\pm}s$ meson production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
41	2 June 2016	Phys. Rev. D 93 (2016) 112002	Measurements of $Z\gamma$ and $Z\gamma\gamma$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
42	10 June 2016	Nucl. Phys. B 907 (2016) 334	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using $\sqrt{s} = 13$ TeV proton-proton collisions
43	28 April 2016	Eur. Phys. J. C 76 (2016) 238	A new method to distinguish hadronically decaying boosted Z bosons from W bosons using

			the ATLAS detector
44	07 May 2016	Eur. Phys. J C 76 (2016) 259	Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector
45	20 May 2016	Phys. Lett. B 759 (2016) 229-246	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
46	20 May 2016	JINST 11 (2016) P05013	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period
47	27 May 2016	J. High Energy Phys. 05 (2016) 160	Search for the Standard Model Higgs boson decaying into bb produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
48	10 June 2016	J. High Energy Phys. 06 (2016) 067	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
49	10 June 2016	J. High Energy Phys. 06 (2016) 059	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
50	14 June 2016	J. High Energy Phys. 06 (2016) 081	Measurement of the relative width difference of the B^0 - B^0 system with the ATLAS detector
51	16 June 2016	J. High Energy Phys. 06 (2016) 093	Identification of high transverse momentum top quarks in pp collisions

			at $\sqrt{s} = 8$ TeV with the ATLAS detector
52	28 June 2016	Phys. Rev. D 93 (2016) 112015	Search for metastable heavy charged particles with large ionization energy loss in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS experiment
53	10 July 2016	Phys. Lett. B 758 (2016) 249	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 $\sqrt{s} = 8$ TeV
54	15 July 2016	Eur. Phys. J. C 76 (2016) 322	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
55	15 July 2016	Eur. Phys. J. C 76 (2016) 403	Charged-particle distributions in pp interactions at $\sqrt{s} = 8$ TeV measured with the ATLAS detector
56	01 August 2016	J. High Energy Phys. 06 (2016) 005	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
57	20 May 2016	JINST 11 (2016) P05013	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period
58	13 June 2016	Eur. Phys. J. C 76 (2016) 322	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
59	06 July 2016	Eur. Phys. J C 76 (2016) 375	Measurement of event-shape observables in $Z \rightarrow \ell + \ell^-$ events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC

60	11 July 2016	New J. Phys. 18 (2016) 073021	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
61	12 July 2016	Eur. Phys. J. C 76 6. (2016) 392	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector
62	01 August 2016	J. High Energy Phys. 08 (2016) 009	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
63	05 August 2016	J. High Energy Phys. 08 (2016) 045	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
64	08 August 2016	Eur. Phys. J. C 76 (2016) 442	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
65	09 August 2016	Phys. Rev. D 94 (2016) 032003	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 $\sqrt{s} = 13$ TeV with the ATLAS detector
66	10 August 2016	Phys. Lett. B 759 (2016) 601	Measurement of W^{\pm} and Z -boson production cross sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
67	17 August 2016	J. High Energy Phys. 08 (2016) 104	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^* \rightarrow e\nu\mu\nu$ with the ATLAS

			detector at $\sqrt{s} = 8$ TeV
68	22 August 2016	Phys. Rev. D 94 (2016) 032006	Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s} = 8$ TeV with the ATLAS detector
69	22 August 2016	Phys. Rev. D 94 (2016) 032005	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
70	29 August 2016	J. High Energy Phys. 08 (2016) 159	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
71	31 August 2016	Phys. Rev. D 94 (2016) 032011	Measurement of exclusive $\gamma\gamma \rightarrow W^+W^-$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector
72	01 September 2016	J. High Energy Phys. 09 (2016) 001	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector
73	02 September 2016	Phys. Rev. D 94 (2016) 052002	Search for pair production of Higgs bosons in the $bb\bar{b}b\bar{b}$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
74	06 September 2016	J. High Energy Phys. 09 (2016) 029	Measurement of total and differential W^+W^- production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings

75	07 September 2016	New J. Phys. 18 (2016) 093016	Search for scalar leptoquarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment
76	09 September 2016	Phys. Rev. Lett. 117 (2016) 111802	Search for Higgs and Z Boson Decays to $\phi\gamma$ with the ATLAS Detector
77	10 September 2016	Phys. Lett. B 760 (2016) 520-537	Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 13$ TeV