

Jahred Adelman

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.

1,266
papers

52,875
citations

99
h-index

168
g-index

1,310
ext. papers

59,599
ext. citations

5
avg, IF

3.91
L-index

#	Paper	IF	Citations
1266	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> , 2022 , 6, 1	6	0
1265	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> , 2022 , 105,	4.9	1
1264	Performance of the ATLAS Level-1 topological trigger in Run2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
1263	Operation and performance of the ATLAS semiconductor tracker in LHC Run2. <i>Journal of Instrumentation</i> , 2022 , 17, P01013	1	1
1262	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> , 2022 , 105,	4.9	1
1261	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> , 2022 , 2022, 1	5.4	0
1260	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> , 2022 , 82, 1	4.2	0
1259	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> , 2022 , 824, 136832	4.2	0
1258	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 ⁻¹ of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
1257	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	0
1256	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau} \nu_{\tau}$ events in Run2 data. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
1255	The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s}=13$ TeV during LHC Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	
1254	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> , 2022 , 137066	4.2	0
1253	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> , 2022 , 137077	4.2	0
1252	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> , 2022 , 137106	4.2	
1251	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	1
1250	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> , 2021 , 81, 1	4.2	2

1249	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> , 2021 , 2021, 1	5.4	0
1248	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> , 2021 , 2021, 1	5.4	2
1247	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> , 2021 , 81, 1	4.2	7
1246	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> , 2021 , 2021, 1	5.4	5
1245	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
1244	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> , 2021 , 126, 121802	7.4	2
1243	Longitudinal Flow Decorrelations in Xe+Xe Collisions at $\sqrt{s_{NN}}=5.44$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 126, 122301	7.4	2
1242	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> , 2021 , 2021, 1	5.4	6
1241	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> , 2021 , 2021, 1	5.4	8
1240	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> , 2021 , 81, 1	4.2	5
1239	Measurement of the CP-violating phase ϕ_s in $B_s^0 \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. <i>European Physical Journal C</i> , 2021 , 81,	4.2	1
1238	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
1237	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> , 2021 , 81, 1	4.2	8
1236	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> , 2021 , 2021, 1	5.4	6
1235	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> , 2021 , 816, 136204	4.2	5
1234	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $(\ell \ell b\bar{b})$ and $(\ell \ell W W)$ final states in pp collisions at $(\sqrt{s}=13)$ (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
1233	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> , 2021 , 816, 136190	4.2	0
1232	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> , 2021 , 2021, 1	5.4	3

1231	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> , 2021 , 103,	4.9	10
1230	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> , 2021 , 2021, 1	5.4	0
1229	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> , 2021 , 2021, 1	5.4	8
1228	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> , 2021 , 81, 1	4.2	0
1227	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> , 2021 , 2021, 1	5.4	6
1226	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. <i>Nature Physics</i> , 2021 , 17, 819-825	16.2	4
1225	Search for Displaced Leptons in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 127, 051802	7.4	2
1224	Test of the universality of τ and μ lepton couplings in W-boson decays with the ATLAS detector. <i>Nature Physics</i> , 2021 , 17, 813-818	16.2	1
1223	Two-particle azimuthal correlations in photonuclear ultraperipheral Pb+Pb collisions at 5.02 TeV with ATLAS. <i>Physical Review C</i> , 2021 , 104,	2.7	2
1222	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> , 2021 , 2021, 1	5.4	2
1221	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> , 2021 , 2021, 1	5.4	1
1220	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> , 2021 , 2021, 1	5.4	0
1219	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> , 2021 , 2021, 1	5.4	1
1218	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> , 2021 , 81, 1	4.2	13
1217	Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $(\sqrt{s})=13$ TeV. <i>Journal of Instrumentation</i> , 2021 , 16, P07029	1	1
1216	Measurement of hadronic event shapes in high-pT multijet final states at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
1215	A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 812, 135980	4.2	21
1214	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> , 2021 , 812, 135991	4.2	

1213	Medium-Induced Modification of Z-Tagged Charged Particle Yields in Pb+Pb Collisions at 5.02 TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 126, 072301	7.4	3
1212	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb ⁻¹ of (\sqrt{s}) = 13 TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
1211	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
1210	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> , 2021 , 81, 1	4.2	7
1209	Search for dark matter in association with an energetic photon in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
1208	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> , 2021 , 81, 1	4.2	0
1207	The ATLAS Fast Tracker system. <i>Journal of Instrumentation</i> , 2021 , 16, P07006	1	0
1206	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> , 2021 , 81, 1	4.2	1
1205	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> , 2021 , 81, 1	4.2	11
1204	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> , 2021 , 819, 136412	4.2	2
1203	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. <i>Journal of Instrumentation</i> , 2021 , 16, P08025	1	1
1202	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> , 2021 , 81, 1	4.2	1
1201	Exclusive dimuon production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}}$ = 5.02 TeV with ATLAS. <i>Physical Review C</i> , 2021 , 104,	2.7	2
1200	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> , 2021 , 127, 141801	7.4	1
1199	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> , 2021 , 81, 1	4.2	4
1198	Search for resonances decaying into photon pairs in 139 fb ⁻¹ 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> , 2021 , 822, 136651	4.2	3
1197	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> , 2021 , 2021, 1	5.4	2
1196	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> , 2021 , 81, 1	4.2	1

1195	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> , 2021 , 2021, 1	5.4	0
1194	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> , 2021 , 2021, 1	5.4	0
1193	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> , 2021 , 2021, 1	5.4	0
1192	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> , 2021 , 81, 1	4.2	1
1191	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
1190	Search for Lepton-Flavor Violation in Z-Boson Decays with n Leptons with the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 127, 271801	7.4	0
1189	Search for new phenomena in pp collisions in final states with tau leptons, b-jets, and missing transverse momentum with the ATLAS detector. <i>Physical Review D</i> , 2021 , 104,	4.9	1
1188	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> , 2021 , 2021, 1	5.4	0
1187	Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. <i>Journal of Instrumentation</i> , 2020 , 15, P11016-P11016	1	2
1186	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> , 2020 , 2020, 1	5.4	7
1185	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> , 2020 , 102,	4.9	9
1184	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> , 2020 , 125, 221802	7.4	6
1183	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> , 2020 , 80, 1	4.2	12
1182	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> , 2020 , 102,	4.9	10
1181	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> , 2020 , 102,	4.9	12
1180	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> , 2020 , 2020, 1	5.4	8
1179	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> , 2020 , 101,	4.9	17
1178	ATLAS data quality operations and performance for 2015-2018 data-taking. <i>Journal of Instrumentation</i> , 2020 , 15, P04003-P04003	1	16

1177	Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2020 , 124, 222002	7.4	4
1176	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> , 2020 , 805, 135426	4.2	5
1175	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> , 2020 , 124, 082301	7.4	8
1174	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> , 2020 , 80,	4.2	9
1173	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ⁻¹ of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
1172	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> , 2020 , 2020, 1	5.4	3
1171	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> , 2020 , 802, 135262	4.2	5
1170	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> , 2020 , 124, 031802	7.4	15
1169	Measurement of the $Z \rightarrow \mu\mu$ production cross-section in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
1168	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> , 2020 , 80, 1	4.2	3
1167	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> , 2020 , 80, 1	4.2	7
1166	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> , 2020 , 102,	4.9	6
1165	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> , 2020 , 125, 251802	7.4	3
1164	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> , 2020 , 125, 261801	7.4	5
1163	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
1162	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> , 2020 , 80, 1	4.2	50
1161	Search for top squarks in events with a Higgs or Z boson using 139 fb ⁻¹ of pp collision data at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	1
1160	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> , 2020 , 80, 1	4.2	8

1159	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> , 2020 , 80, 1	4.2	4
1158	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> , 2020 , 80, 1	4.2	8
1157	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> , 2020 , 80, 1	4.2	17
1156	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
1155	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> , 2020 , 80, 1	4.2	3
1154	Measurement of J/ψ production in association with a W boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
1153	Search for new resonances in mass distributions of jet pairs using 139 fb ⁻¹ of pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	20
1152	Search for ($\overline{t}t$) 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> , 2020 , 2020, 1	5.4	6
1151	Reconstruction and identification of boosted di- τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
1150	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> , 2020 , 803, 135341	4.2	5
1149	Combined measurements of Higgs boson production and decay using up to 80 fb ⁻¹ of proton-proton collision data at $s=13$ TeV collected with the ATLAS experiment. <i>Physical Review D</i> , 2020 , 101,	4.9	121
1148	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> , 2020 , 801, 135114	4.2	10
1147	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> , 2020 , 801, 135145	4.2	4
1146	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> , 2020 , 801, 135143	4.2	9
1145	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> , 2020 , 800, 135069	4.2	13
1144	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb ⁻¹ of pp collisions at $s=13$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135082	4.2	6
1143	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> , 2020 , 800, 135103	4.2	24
1142	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> , 2020 , 809, 135734	4.2	9

1141	Dijet Resonance Search with Weak Supervision Using $\sqrt{s}=13$ TeV pp Collisions in the ATLAS Detector. <i>Physical Review Letters</i> , 2020 , 125, 131801	7.4	15
1140	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> , 2020 , 807, 135595	4.2	2
1139	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> , 2020 , 2020, 1	5.4	2
1138	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
1137	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
1136	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> , 2020 , 80, 1	4.2	9
1135	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> , 2020 , 810, 135797	4.2	4
1134	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> , 2020 , 2020, 1	5.4	13
1133	Performance of the ATLAS muon triggers in Run 2. <i>Journal of Instrumentation</i> , 2020 , 15, P09015-P09015	1	13
1132	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13
1131	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> , 2020 , 2020, 1	5.4	1
1130	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> , 2020 , 2020, 1	5.4	2
1129	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> , 2020 , 125, 061802	7.4	15
1128	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> , 2020 , 2020, 1	5.4	5
1127	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> , 2020 , 2020, 1	5.4	5
1126	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> , 2020 , 2020, 1	5.4	5
1125	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> , 2020 , 80, 1	4.2	7
1124	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> , 2020 , 125, 051801	7.4	30

1123	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> , 2020 , 101,	4.9	31
1122	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> , 2020 , 101,	2.7	12
1121	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> , 2020 , 101,	4.9	13
1120	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> , 2020 , 101,	4.9	11
1119	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> , 2020 , 2020, 1	5.4	1
1118	Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2020 , 101,	4.9	11
1117	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> , 2020 , 80, 1	4.2	8
1116	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> , 2019 , 79, 1	4.2	11
1115	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> , 2019 , 100,	4.9	2
1114	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> , 2019 , 123, 161801	7.4	26
1113	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> , 2019 , 2019, 1	5.4	8
1112	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $(\sqrt{s} = 13)$ (8–13 TeV). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	37
1111	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> , 2019 , 79, 1	4.2	2
1110	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> , 2019 , 798, 134913	4.2	5
1109	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> , 2019 , 788, 347-370	4.2	7
1108	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> , 2019 , 99,	4.9	13
1107	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> , 2019 , 789, 444-471	4.2	14
1106	Observation of electroweak $W\cancel{E}Z$ boson pair production in association with two 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> , 2019 , 793, 469-492	4.2	22

1105	Modelling radiation damage to pixel sensors in the ATLAS detector. <i>Journal of Instrumentation</i> , 2019 , 14, P06012-P06012	1	5
1104	Search for invisible Higgs boson decays in vector boson fusion at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 499-519	4.2	21
1103	Search for single production of vector-like quarks decaying into Wb in pp collisions at $(\sqrt{s}) = 13\text{TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	14
1102	Combinations of single-top-quark production cross-section measurements and $ \text{fLVVtb} $ determinations at $(\sqrt{s}) = 7$ and 8TeV with the ATLAS and CMS experiments. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
1101	Search for top-quark decays $t \rightarrow Hq$ with 36fb^{-1} of pp collision data at $(\sqrt{s}) = 13\text{TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13
1100	Measurement of $VH, (\text{H}) \rightarrow \text{b}\overline{\text{b}}$ production as a function of the vector-boson transverse momentum in 13TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
1099	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
1098	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
1097	Search for heavy long-lived multicharged particles in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ using the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	7
1096	Properties of $g \rightarrow b\bar{b}$ at small opening angles in pp collisions with the ATLAS detector at $\sqrt{s}=13\text{TeV}$. <i>Physical Review D</i> , 2019 , 99,	4.9	2
1095	Cross-section measurements of the Higgs boson decaying into a pair of leptons in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	29
1094	Measurements of W and Z boson production in pp collisions at $(\sqrt{s}=5.02)\text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	12
1093	Performance of top-quark and (\vec{W}) -boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	19
1092	Measurements of inclusive and differential fiducial cross-sections of $(\text{t}\bar{\text{t}}\gamma)$ production in leptonic final states at $(\sqrt{s}=13\text{TeV})$ in ATLAS. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
1091	Search for long-lived particles produced in pp collisions at $\sqrt{s}=13\text{TeV}$ that decay into displaced hadronic jets in the ATLAS muon spectrometer. <i>Physical Review D</i> , 2019 , 99,	4.9	24
1090	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 $\sqrt{s}=13\text{TeV}$. <i>Physical Review Letters</i> , 2019 , 122, 151801	7.4	5
1089	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P03017-P03017	1	25
1088	Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in pp collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	4

1087	Study of the hard double-parton scattering contribution to inclusive 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> , 2019 , 790, 595-614	4.2	7
1086	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 58	4.2	20
1085	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> , 2019 , 2019, 1	5.4	21
1084	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> , 2019 , 79, 1	4.2	16
1083	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> , 2019 , 79, 1	4.2	26
1082	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> , 2019 , 2019, 1	5.4	5
1081	Measurement of the top quark mass in the ($\bar{t} \rightarrow$) lepton+jets channel from ($\sqrt{s}=8$) TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	24
1080	Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $s_{NN}=5.02$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 108-128	4.2	44
1079	Search for pair production of Higgs bosons in the ($\bar{b}b$) final state using proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	31
1078	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> , 2019 , 2019, 1	5.4	31
1077	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> , 2019 , 123, 042001	7.4	12
1076	Search for high-mass dilepton resonances using 139 fb ⁻¹ of pp collision data collected at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 68-87	4.2	82
1075	Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 100,	4.9	10
1074	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> , 2019 , 79, 1	4.2	18
1073	Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	12
1072	Search for heavy charged long-lived particles in the ATLAS detector in 36.1 fb ⁻¹ of proton-proton collision data at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	35
1071	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> , 2019 , 2019, 1	5.4	12
1070	Observation of Light-by-Light Scattering in Ultraperipheral Pb+Pb Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2019 , 123, 052001	7.4	41

1069	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> , 2019 , 796, 230-252	4.2	5
1068	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> , 2019 , 2019, 1	5.4	7
1067	Measurement of $(W^{\pm}Z)$ production cross sections and gauge boson polarisation in pp collisions at $(\sqrt{s} = 13 \text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	20
1066	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. <i>Physical Review Letters</i> , 2019 , 122, 231801	7.4	45
1065	Measurement of the $tt\bar{Z}$ and ttW cross sections in proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	14
1064	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
1063	Search for scalar resonances decaying into $\mu\bar{\mu}$ 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> , 2019 , 2019, 1	5.4	8
1062	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> , 2019 , 795, 56-75	4.2	12
1061	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H \rightarrow WW \rightarrow \ell\bar{\ell}$ 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> , 2019 , 798, 134949	4.2	7
1060	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> , 2019 , 798, 134942	4.2	14
1059	Search for diboson resonances in hadronic final states in 139 fb ⁻¹ of pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
1058	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13$ TeV with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , 2019 , 79,	4.2	3
1057	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2019 , 79,	4.2	11
1056	Measurement of K_S^0 and Λ^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> , 2019 , 79, 1	4.2	3
1055	Measurement of the inclusive isolated-photon cross section in pp collisions at $(\sqrt{s}) = 13$ TeV using 36 fb ⁻¹ of ATLAS data. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
1054	Measurements of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow WW \rightarrow e\bar{e}$ 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> , 2019 , 789, 508-529	4.2	27
1053	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> , 2019 , 79, 1	4.2	14
1052	Search for pairs of highly collimated photon-jets in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	5

1051	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> , 2019 , 99,	4.9	9
1050	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> , 2019 , 2019, 1	5.4	12
1049	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> , 2019 , 79, 1	4.2	16
1048	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> , 2019 , 2019, 1	5.4	2
1047	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> , 2019 , 79, 1	4.2	2
1046	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> , 2019 , 79, 1	4.2	4
1045	Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P12006-P12006	1	51
1044	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> , 2019 , 2019, 1	5.4	21
1043	Measurement of (W^{\pm}) boson production in Pb+Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02\text{-}7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
1042	ATLAS b-jet identification performance and efficiency measurement with (\bar{t}) events in pp collisions at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	43
1041	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $(\sqrt{s_{\text{NN}}}) = 5.02\text{-}7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
1040	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> , 2019 , 100,	2.7	5
1039	Dijet azimuthal correlations and conditional yields in pp and p+Pb collisions at $s_{\text{NN}}=5.02$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2019 , 100,	2.7	7
1038	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> , 2019 , 100,	4.9	7
1037	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> , 2019 , 100,	4.9	12
1036	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> , 2019 , 79, 1	4.2	13
1035	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> , 2019 , 2019, 1	5.4	7
1034	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> , 2019 , 788, 316-335	4.2	23

1033	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> , 2019 , 788, 96-116	4.2	17
1032	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> , 2019 , 790, 1-21	4.2	20
1031	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> , 2019 , 789, 167-190	4.2	15
1030	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> , 2018 , 97,	2.7	25
1029	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> , 2018 , 120, 161802	7.4	18
1028	Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	29
1027	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> , 2018 , 779, 24-45	4.2	6
1026	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	81
1025	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> , 2018 , 2018, 1	5.4	10
1024	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> , 2018 , 78, 110	4.2	59
1023	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> , 2018 , 776, 295-317	4.2	10
1022	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> , 2018 , 777, 303-323	4.2	27
1021	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> , 2018 , 777, 91-113	4.2	27
1020	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> , 2018 , 78, 102	4.2	7
1019	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> , 2018 , 78, 154	4.2	23
1018	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 142	4.2	35
1017	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> , 2018 , 78, 171	4.2	35
1016	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> , 2018 , 78, 186	4.2	5

1015	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> , 2018 , 78, 293	4.2	41
1014	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> , 2018 , 78, 250	4.2	28
1013	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	26
1012	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> , 2018 , 78, 24	4.2	47
1011	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> , 2018 , 78, 129	4.2	11
1010	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> , 2018 , 2018, 1	5.4	22
1009	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> , 2018 , 2018, 1	5.4	36
1008	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> , 2018 , 97,	4.9	44
1007	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> , 2018 , 780, 557-577	4.2	14
1006	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> , 2018 , 780, 578-602	4.2	10
1005	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> , 2018 , 781, 55-76	4.2	7
1004	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> , 2018 , 2018, 1	5.4	12
1003	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> , 2018 , 78, 18	4.2	32
1002	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> , 2018 , 78, 199	4.2	55
1001	Measurement of polarisation in decays in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 163	4.2	3
1000	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> , 2018 , 2018, 1	5.4	17
999	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> , 2018 , 2018, 1	5.4	23
998	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> , 2018 , 783, 392-414	4.2	33

997	Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector. <i>Nuclear Physics A</i> , 2018 , 978, 65-106	1.3	14
996	Search for $W \rightarrow tb$ decays in the hadronic final state using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 327-348	4.2	15
995	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> , 2018 , 784, 173-191	4.2	118
994	Measurements of tt differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	12
993	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> , 2018 , 2018, 1	5.4	7
992	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> , 2018 , 2018, 1	5.4	4
991	Measurement of the W-boson mass in pp collisions at ($\sqrt{s}=7$, \sqrt{s} {TeV}) with the ATLAS detector 2018 , 78, 1		1
990	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} {TeV}) 2018 , 78, 1		1
989	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector 2018 , 2018, 1		1
988	Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 318-337	4.2	38
987	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> , 2018 , 2018, 1	5.4	14
986	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> , 2018 , 2018, 1	5.4	6
985	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 784	4.2	8
984	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> , 2018 , 78, 1007	4.2	21
983	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , 2018 , 78, 847	4.2	5
982	Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2018 , 98,	2.7	10
981	Search for resonant WZ production in the fully leptonic final state 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> , 2018 , 787, 68-88	4.2	14
980	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> , 2018 , 2018, 1	5.4	44

979	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 121, 211801	7.4	48
978	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> , 2018 , 121, 212301	7.4	18
977	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> , 2018 , 78, 401	4.2	23
976	Search for lepton-flavor-violating decays of the Z boson into a τ lepton and a light lepton with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	5
975	Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b\bar{b}[\text{over } \tau\tau\{\pm\}]$ Decay Channel in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 121, 191801	7.4	23
974	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> , 2018 , 2018, 1	5.4	15
973	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> , 2018 , 2018, 1	5.4	4
972	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> , 2018 , 2018, 1	5.4	23
971	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> , 2018 , 2018, 1	5.4	21
970	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> , 2018 , 78, 997	4.2	21
969	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> , 2018 , 98,	4.9	22
968	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 903	4.2	66
967	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> , 2018 , 98,	4.9	4
966	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> , 2018 , 98,	4.9	19
965	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> , 2018 , 98,	4.9	7
964	Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	34
963	Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $E_{\text{beam}}=4$ TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P12006-P12006	1	2
962	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 995	4.2	49

961	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> , 2018 , 98,	4.9	14
960	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> , 2018 , 2018, 1	5.4	39
959	Measurements of Higgs boson properties in the diphoton decay channel with 36 fb ⁻¹ of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	74
958	Operation and performance of the ATLAS Tile Calorimeter in Run 1. <i>European Physical Journal C</i> , 2018 , 78, 987	4.2	13
957	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	28
956	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> , 2018 , 98,	4.9	8
955	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> , 2018 , 98,	4.9	10
954	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> , 2018 , 2018, 1	5.4	16
953	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33
952	Combined measurement of differential and total cross sections in the $H \rightarrow \gamma\gamma$ 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> , 2018 , 786, 114-133	4.2	14
951	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> , 2018 , 786, 134-155	4.2	14
950	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> , 2018 , 2018, 1	5.4	48
949	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> , 2018 , 2018, 1	5.4	9
948	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> , 2018 , 786, 59-86	4.2	87
947	Combination of searches for heavy resonances decaying into bosonic and leptonic final states using 36 fb ⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	23
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945	Search for charged Higgs bosons decaying via $H_{\pm} \rightarrow \ell\bar{\nu}_{\ell}$ in the ℓ -jets and ℓ -lepton final states with 36 fb ⁻¹ of pp collision data recorded at ($\sqrt{s}=13$) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33
944	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 762	4.2	23

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942	Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	11
941	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> , 2018 , 2018, 1	5.4	22
940	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> , 2018 , 98,	4.9	12
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938	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> , 2018 , 2018, 1	5.4	6
937	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> , 2018 , 2018, 1	5.4	31
936	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> , 2018 , 2018, 1	5.4	8
935	Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb ⁻¹ of $s=13$ TeV pp collision data with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	80
934	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> , 2018 , 78, 487	4.2	5
933	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> , 2018 , 785, 136-158	4.2	10
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931	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> , 2018 , 121, 081801	7.4	29
930	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> , 2018 , 78, 565	4.2	34
929	Search for top squarks decaying to tau sleptons in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	6
928	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> , 2018 , 98,	2.7	12
927	Measurement of the Soft-Drop Jet Mass in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 121, 092001	7.4	24
926	Search for supersymmetry in events with four or more leptons in $s=13$ TeV pp collisions with ATLAS. <i>Physical Review D</i> , 2018 , 98,	4.9	16

925	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> , 2018 , 78, 625	4.2	15
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923	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> , 2018 , 97,	4.9	47
922	Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. <i>Physical Review Letters</i> , 2018 , 120, 211802	7.4	27
921	Search for $B \rightarrow R$ R-parity-violating top squarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS experiment. <i>Physical Review D</i> , 2018 , 97,	4.9	8
920	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> , 2018 , 97,	4.9	31
919	Search for a Structure in the $B_{s^0} \rightarrow \mu\mu$ Invariant Mass Spectrum with the ATLAS Experiment. <i>Physical Review Letters</i> , 2018 , 120, 202007	7.4	28
918	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> , 2018 , 2018, 1	5.4	101
917	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> , 2018 , 782, 750-767	4.2	15
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915	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> , 2017 , 765, 32-52	4.2	17
914	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> , 2017 , 765, 132-153	4.2	8
913	Measurement of the $[\text{Formula: see text}]$ and $[\text{Formula: see text}]$ production cross sections in multilepton final states using 3.2 fb $[\text{Formula: see text}]$ of $[\text{Formula: see text}]$ collisions at $[\text{Formula: see text}] = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 40	4.2	14
912	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> , 2017 , 77, 26	4.2	22
911	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> , 2017 , 2017, 1	5.4	22
910	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> , 2017 , 764, 11-30	4.2	16
909	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 $[\text{Formula: see text}]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 220	4.2	5
908	Measurement of the boson polarisation in $[\text{Formula: see text}]$ events from collisions at $[\text{Formula: see text}] = 8$ TeV in the lepton τ -jets channel with ATLAS. <i>European Physical Journal C</i> , 2017 , 77, 264	4.2	19

907	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017 , 77, 195	4.2	61
906	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> , 2017 , 77, 292	4.2	13
905	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> , 2017 , 77, 241	4.2	38
904	High-ET isolated-photon plus jets production in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Nuclear Physics B</i> , 2017 , 918, 257-316	2.8	13
903	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> , 2017 , 77, 76	4.2	47
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899	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , 2017 , 77, 490	4.2	177
898	Fiducial, total and differential cross-section measurements of γ -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 531	4.2	27
897	Measurements of electroweak $[Formula: see text]$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 474	4.2	14
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894	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4.2	42
893	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> , 2017 , 95,	4.9	10
892	Measurement of W Δ W vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector. <i>Physical Review D</i> , 2017 , 96,	4.9	13
891	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> , 2017 , 95,	4.9	1
890	Machine learning techniques in searches for $t\bar{t} \rightarrow b\bar{b}$ decay channel. <i>Journal of Instrumentation</i> , 2017 , 12, P04014-P04014	1	7

889	Measurement of the cross section for inclusive isolated-photon production in pp collisions at $s=13\sqrt{}$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 473-493	4.2	25
888	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> , 2017 , 77, 428	4.2	48
887	Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. <i>Physical Review C</i> , 2017 , 95,	2.7	13
886	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> , 2017 , 119, 051802	7.4	29
885	Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ Using 36 fb^{-1} of pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2017 , 119, 181804	7.4	25
884	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> , 2017 , 119, 191803	7.4	30
883	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> , 2017 , 2017, 1	5.4	25
882	Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $s=13\sqrt{}$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 775, 206-228	4.2	12
881	Measurement of lepton differential distributions and the top quark mass in production in collisions at \sqrt{s} TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 804	4.2	11
880	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> , 2017 , 2017, 1	5.4	7
879	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> , 2017 , 2017, 1	5.4	6
878	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 $s=13\sqrt{}$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 494-515	4.2	20
877	Measurement of jet p_T correlations in Pb + Pb and pp collisions at $s_{NN}=2.76\sqrt{}$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 379-402	4.2	15
876	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , 2017 , 77, 673	4.2	33
875	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> , 2017 , 77, 144	4.2	8
874	Measurement of the ZZ production cross section in proton-proton collisions at ($\sqrt{s}=8$) TeV using the $ZZ \rightarrow \mu\mu+\mu\mu$ and ($ZZ\tau\ell^+\ell^+\nu$) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
873	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> , 2017 , 2017, 1	5.4	11
872	Measurements of $\chi(3512)$ and $X(3872) \rightarrow J/\psi \eta'$ production in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	15

871	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> , 2017 , 2017, 1	5.4	7
870	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 70	4.2	52
869	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
868	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 332	4.2	29
867	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> , 2017 , 77, 361	4.2	26
866	Precision measurement and interpretation of inclusive, and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4.2	56
865	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 379	4.2	35
864	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> , 2017 , 77, 393	4.2	52
863	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> , 2017 , 2017, 1	5.4	9
862	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> , 2017 , 77, 898	4.2	19
861	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> , 2017 , 2017, 1	5.4	7
860	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> , 2017 , 77, 765	4.2	10
859	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> , 2017 , 2017, 1	5.4	5
858	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> , 2017 , 2017, 1	5.4	13
857	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> , 2017 , 96,	4.9	116
856	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> , 2017 , 96,	4.9	11
855	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> , 2017 , 2017, 1	5.4	12
854	Femtoscopy with identified charged pions in proton-lead collisions at $s_{NN}=5.02$ TeV with ATLAS. <i>Physical Review C</i> , 2017 , 96,	2.7	1

853	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> , 2017 , 2017, 1	5.4	27
852	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 580	4.2	16
851	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> , 2017 , 77, 563	4.2	15
850	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> , 2017 , 2017, 1	5.4	7
849	Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20
848	Studies of $Z\gamma$ production in association with a high-mass dijet system in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
847	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> , 2017 , 2017, 1	5.4	12
846	Search for new phenomena in dijet events using 37 fb $^{-1}$ of pp collision data collected at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017 , 96,	4.9	89
845	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$ in ($\sqrt{s}=13$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
844	Study of and production in collisions at and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , 2017 , 77, 646	4.2	11
843	Measurements of top quark spin observables in (\overline{t}) events using dilepton final states in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
842	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> , 2017 , 2017, 1	5.4	8
841	Top-quark mass measurement in the all-hadronic (\overline{t}) decay channel at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
840	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
839	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> , 2017 , 2017, 1	5.4	30
838	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb $^{-1}$ of ($\sqrt{s}=13$) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	22
837	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> , 2017 , 2017, 1	5.4	29
836	Study of the material of the ATLAS inner detector for Run 2 of the LHC. <i>Journal of Instrumentation</i> , 2017 , 12, P12009-P12009	1	19

835	Measurement of the k_t splitting scales in $Z \rightarrow \ell\bar{\ell}$ events in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
834	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> , 2017 , 2017, 1	5.4	7
833	Evidence for the $(H \rightarrow b\bar{b})$ decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
832	Search for new high-mass phenomena in the dilepton final state using 36 fb^{-1} of proton-proton collision data at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	126
831	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> , 2017 , 77, 872	4.2	19
830	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> , 2017 , 96,	4.9	17
829	Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties. <i>Journal of Instrumentation</i> , 2017 , 12, P05002-P05002	1	7
828	A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeVppcollisions. <i>Journal of Instrumentation</i> , 2016 , 11, P11020-P11020	1	7
827	Search for scalar leptoquarks inppcollisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. <i>New Journal of Physics</i> , 2016 , 18, 093016	2.9	51
826	Search for Higgs and Z Boson Decays to $\tau\tau$ with the ATLAS Detector. <i>Physical Review Letters</i> , 2016 , 117, 111802	7.4	5
825	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> , 2016 , 93,	4.9	30
824	Search for the electroweak production of supersymmetric particles in $s=8$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	46
823	Measurement of jet charge in dijet events from $s=8$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	18
822	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> , 2016 , 93,	2.7	26
821	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> , 2016 , 93,	4.9	10
820	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> , 2016 , 93,	4.9	34
819	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> , 2016 , 93,	4.9	16
818	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> , 2016 , 93,	4.9	47

817	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. <i>Physical Review D</i> , 2016 , 93,	4.9	3
816	Measurements of $Z\bar{\nu}$ and $Z\nu$ production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	29
815	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> , 2016 , 93,	4.9	31
814	Measurement of the ZZ Production Cross Section in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2016 , 116, 101801	7.4	25
813	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> , 2016 , 116, 172301	7.4	140
812	Measurement of the $t\bar{t}$ production cross-section using $e\bar{\nu}$ 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> , 2016 , 761, 136-157	4.2	47
811	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 295	4.2	28
810	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> , 2016 , 76, 581	4.2	148
809	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> , 2016 , 117, 182002	7.4	92
808	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> , 2016 , 2016, 1	5.4	364
807	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 322	4.2	35
806	Measurement of jet activity in top quark events using the $e\bar{\nu}$ 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> , 2016 , 2016, 1	5.4	4
805	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> , 2016 , 76, 291	4.2	63
804	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $W\bar{W} \rightarrow e\bar{\nu}$ with the ATLAS detector at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
803	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> , 2016 , 94,	4.9	4
802	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> , 2016 , 2016, 1	5.4	13
801	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> , 2016 , 2016, 1	5.4	10
800	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> , 2016 , 2016, 1	5.4	13

799	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. <i>New Journal of Physics</i> , 2016 , 18, 073021	2.9	1
798	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016 , 11, P05013-P05013	1	8
797	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> , 2016 , 94,	4.9	13
796	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> , 2016 , 76, 538	4.2	48
795	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> , 2016 , 94,	4.9	24
794	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> , 2016 , 94,	4.9	35
793	Measurement of exclusive $B\rightarrow W+W$ production and search for exclusive Higgs boson production in pp collisions at $s=8$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4.9	23
792	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> , 2016 , 76, 283	4.2	42
791	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
790	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> , 2016 , 76, 683	4.2	7
789	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 \square <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	13
788	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> , 2016 , 2016, 1	5.4	20
787	Searches for heavy diboson resonances in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
786	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> , 2016 , 2016, 1	5.4	16
785	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> , 2016 , 2016, 1	5.4	16
784	Measurement of the CP-violating phase ϕ_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> , 2016 , 2016, 1	5.4	10
783	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> , 2016 , 76, 392	4.2	53
782	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> , 2016 , 2016, 1	5.4	24

781	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> , 2016 , 2016, 1	5.4	22
780	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> , 2016 , 2016, 1	5.4	12
779	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> , 2016 , 76, 199	4.2	39
778	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> , 2016 , 2016, 1	5.4	12
777	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> , 2016 , 2016, 1	5.4	14
776	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> , 2016 , 2016, 1	5.4	12
775	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> , 2016 , 753, 552-572	4.2	15
774	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> , 2016 , 756, 52-71	4.2	11
773	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> , 2016 , 756, 10-28	4.2	9
772	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> , 2016 , 757, 334-355	4.2	21
771	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> , 2016 , 758, 249-268	4.2	13
770	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> , 2016 , 754, 302-322	4.2	104
769	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> , 2016 , 756, 228-246	4.2	25
768	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> , 2016 , 758, 67-88 ^{4.2}	4.2	44
767	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> , 2016 , 755, 285-305	4.2	27
766	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text]TeV. <i>European Physical Journal C</i> , 2016 , 76, 154	4.2	44
765	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> , 2016 , 76, 210	4.2	53
764	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 232	4.2	12

763	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 238	4.2	6
762	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> , 2016 , 76, 259	4.2	48
761	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> , 2016 , 2016, 1	5.4	45
760	Search for anomalous couplings in the W tb 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> , 2016 , 2016, 1-46	5.4	12
759	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 5	4.2	68
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757	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 11	4.2	21
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755	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> , 2016 , 76, 45	4.2	152
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753	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ($\sqrt{s}=8, \text{ TeV}$) with the ATLAS detector 2016 , 76, 1		1
752	Design of a hardware track finder (Fast Tracker) for the ATLAS trigger. <i>Journal of Instrumentation</i> , 2016 , 11, C02056-C02056	1	3
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749	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 375	4.2	5
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747	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> , 2016 , 76, 502	4.2	37
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744	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , 2016 , 76, 666	4.2	53
743	Measurement of the \tilde{H} dijet cross section in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 670	4.2	7
742	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , 2016 , 76, 526	4.2	16
741	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 541	4.2	7
740	Search for the Higgs boson produced in association with a boson and decaying to four \tilde{H} -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 605	4.2	16
739	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
738	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> , 2016 , 76, 658	4.2	26
737	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. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	30
736	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 565	4.2	20
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734	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> , 2016 , 763, 251-268	4.2	23
733	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> , 2016 , 763, 313-336	4.2	29
732	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> , 2016 , 94,	4.9	126
731	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> , 2016 , 2016, 1	5.4	25
730	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> , 2016 , 754, 214-234	4.2	23
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728	Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H\rightarrow\tilde{H}$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 69-85	4.2	29

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726	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> , 2016 , 76, 12	4.2	16
725	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> , 2016 , 76, 87	4.2	18
724	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> , 2016 , 76, 81	4.2	7
723	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> , 2016 , 2016, 1	5.4	33
722	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> , 2016 , 760, 647-665	4.2	34
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720	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> , 2016 , 760, 520-537	4.2	11
719	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> , 2016 , 761, 372-392	4.2	48
718	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> , 2016 , 762, 334-352	4.2	12
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708	Search for charged Higgs bosons produced in association with a top quark and decaying via $H^\pm \rightarrow \tau^{\pm} \nu_\tau$ 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> , 2016 , 759, 555-574	4.2	44
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704	Search for $W^? \rightarrow t\bar{b}\nu$ 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> , 2015 , 743, 235-255	4.2	42
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702	Search for Higgs and Z Boson Decays to J/ψ and $\psi(nS)$ with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 114, 121801	7.4	33
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700	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> , 2015 , 91,	4.9	196
699	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> , 2015 , 114, 072302	7.4	99
698	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> , 2015 , 91,	4.9	125
697	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> , 2015 , 91,	4.9	62
696	Simultaneous measurements of the $t\bar{t}$, $W+W$ and $Z/\gamma \rightarrow \tau\tau$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 91,	4.9	13
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693	Measurement of the transverse polarization of Λ and Σ hyperons produced in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2015 , 91,	4.9	13
692	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 17	4.2	194

691	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 79	4.2	21
690	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69	4.2	62
689	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82	4.2	54
688	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 92	4.2	60
687	Measurement of the ($\overline{t}t$) 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> , 2015 , 2015, 1	5.4	14
686	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> , 2015 , 2015, 1	5.4	12
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684	Search for the ($\overline{b}b$) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	64
683	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb ⁻¹ of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	27
682	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> , 2015 , 2015, 1	5.4	45
681	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> , 2015 , 2015, 1	5.4	56
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679	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120	4.2	51
678	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> , 2015 , 75, 337	4.2	27
677	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> , 2015 , 75, 412	4.2	66
676	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> , 2015 , 75, 231	4.2	15
675	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> , 2015 , 75, 299	4.2	202
674	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> , 2015 , 75, 263	4.2	46

673	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> , 2015 , 75, 228	4.2	18
672	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> , 2015 , 75, 335	4.2	56
671	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> , 2015 , 75, 303	4.2	49
670	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 476	4.2	104
669	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> , 2015 , 75, 229	4.2	38
668	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> , 2015 , 75, 349	4.2	94
667	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> , 2015 , 749, 519-541	4.2	51
666	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> , 2015 , 75, 318	4.2	44
665	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> , 2015 , 75, 362	4.2	22
664	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> , 2015 , 75, 466	4.2	28
663	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> , 2015 , 75, 330	4.2	32
662	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , 2015 , 75, 510	4.2	109
661	Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2015 , 92,	2.7	59
660	Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	29
659	Observation and measurement of Higgs boson decays to WW^* with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	86
658	Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	75
657	Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	5
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652	Search for vectorlike B quarks in events with one isolated lepton, missing transverse momentum, and jets at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 91,	4.9	44
651	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> , 2015 , 91,	4.9	20
650	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> , 2015 , 92,	4.9	52
649	Search for type-III seesaw heavy leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	17
648	Search for high-mass diphoton resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	85
647	Search for Higgs bosons decaying to aa in the $\tau\tau$ final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS experiment. <i>Physical Review D</i> , 2015 , 92,	4.9	40
646	Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	16
645	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> , 2015 , 92,	4.9	22
644	Searches for Higgs boson pair production in the $hh \rightarrow b\bar{b}\gamma\gamma^*$, $b\bar{b}$, $b\bar{b}b\bar{b}$ channels with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	87
643	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> , 2015 , 92,	4.9	40
642	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> , 2015 , 114, 221802	7.4	18
641	Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay $H(\bar{H}) \rightarrow W(\bar{H})Z$ using pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Experiment. <i>Physical Review Letters</i> , 2015 , 114, 231801	7.4	36
640	Search for a Heavy Neutral Particle Decaying to $e\bar{e}\gamma$ or $\mu\bar{\mu}\gamma$ in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 115, 031801	7.4	18
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638	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> , 2015 , 115, 131801	7.4	32

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635	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> , 2015 , 2015, 1	5.4	2
634	A search for high-mass resonances decaying to $\mu\mu$ in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
633	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> , 2015 , 2015, 1	5.4	42
632	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> , 2015 , 2015, 1	5.4	46
631	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> , 2015 , 2015, 1-76	5.4	5
630	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> , 2015 , 750, 427-447	4.2	19
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627	ATLAS FTK Challenge: Simulation of a Billion-fold Hardware Parallelism. <i>Procedia Computer Science</i> , 2015 , 66, 540-545	1.6	1
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623	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> , 2015 , 2015, 1	5.4	26
622	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	91
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617	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> , 2015 , 2015, 1	5-4	16
616	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> , 2015 , 2015, 1	5-4	55
615	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> , 2015 , 2015, 1	5-4	15
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610	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> , 2015 , 114, 191803	7-4	709
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608	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	74
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605	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> , 2015 , 75, 158	4-2	8
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596	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector 2015 , 75, 1		2
595	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb ⁻¹ of data with the ATLAS detector 2015 , 2015, 1		3
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502	Measurement of the high-mass Drell 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> , 2013 , 725, 223-242	4-2	55
501	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> , 2013 , 720, 277-308	4-2	36
500	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> , 2013 , 726, 120-144	4-2	267
499	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> , 2013 , 726, 88-119	4-2	268
498	Search for tt resonances in the lepton plus jets final state with ATLAS using 4.7 fb^{-1} of pp collisions at $s=7$ TeV. <i>Physical Review D</i> , 2013 , 88,	4-9	38
497	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> , 2013 , 2013, 1	5-4	92
496	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> , 2013 , 2013, 1	5-4	64
495	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> , 2013 , 2013, 1	5-4	24
494	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> , 2013 , 2013, 1	5-4	43

493	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518	4.2	276
492	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> , 2013 , 73, 2509	4.2	71
491	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> , 2013 , 73, 2362	4.2	25
490	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
489	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2676	4.2	18
488	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> , 2013 , 2013, 1	5.4	143
487	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> , 2013 , 2013, 1	5.4	15
486	Search for charginos nearly mass degenerate with the lightest neutralino based on a disappearing-track signature in pp collisions at ($\sqrt{s}=8$ TeV) with the ATLAS detector. <i>Physical Review D</i> , 2013 , 88,	4.9	92
485	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> , 2013 , 2013, 1	5.4	72
484	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> , 2013 , 2013, 1	5.4	44
483	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> , 2013 , 2013, 1	5.4	55
482	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ($\sqrt{s}=7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	15
481	Search for single . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 171-189	4.2	9
480	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> , 2013 , 719, 220-241	4.2	165
479	Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 13-31	4.2	33
478	Dynamics of isolated-photon plus jet production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 875, 483-535.	5.8	24
477	Measurement with the ATLAS detector of multi-particle azimuthal correlations in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 60-78	4.2	153
476	Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 261-279	4.2	6

475	Search for pair production of heavy top-like quarks decaying to a high-pT W boson and a b quark in the lepton plus jets final state at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1284-1302	4.2	37
474	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 299-317	4.2	27
473	Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 305-323	4.2	35
472	Search for a heavy narrow resonance decaying to e^+e^- or $\mu^+\mu^-$ with the ATLAS detector in $\sqrt{s}=7\text{TeV}$ pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 15-32	4.2	13
471	Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 280-298	4.2	39
470	Performance of the ATLAS Transition Radiation Tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 706, 33-38	1.2	
469	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	55
468	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s}=7\text{TeV}$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	44
467	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s}=7\text{TeV}$ pp collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 841-859	4.2	24
466	Search for new phenomena in the $\sqrt{s}=7\text{TeV}$ pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 860-878	4.2	22
465	Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 879-901	4.2	35
464	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
463	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	41
462	Jet energy resolution in proton-proton collisions at $\sqrt{s}=7\text{TeV}$ recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
461	Measurement of the $\tau^+\tau^-$ production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
460	Measurement of top quark polarization in top-antitop events from proton-proton collisions at $\sqrt{s}=7\text{TeV}$ using the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 111, 232002	7.4	40
459	Search for excited electrons and muons in $\sqrt{s}=8\text{TeV}$ proton-proton collisions with the ATLAS detector. <i>New Journal of Physics</i> , 2013 , 15, 093011	2.9	16
458	Measurement of hard double-parton interactions in $W(\rightarrow\ell)\ell+2\text{-jet}$ events at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector. <i>New Journal of Physics</i> , 2013 , 15, 033038	2.9	116

457	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> , 2013 , 15, 043009	2.9	15
456	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> , 2013 , 15, 043007	2.9	35
455	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> , 2013 , 87,	4.9	18
454	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> , 2013 , 110, 182302	7.4	333
453	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4.7 fb ⁻¹ of $s=7$ TeV proton-proton collision data. <i>Physical Review D</i> , 2013 , 87,	4.9	101
452	Measurement of ϵ production in 7 TeV pp collisions at ATLAS. <i>Physical Review D</i> , 2013 , 87,	4.9	68
451	Search for nonpointing photons in the diphoton and E_{Tmiss} final state in $s=7$ TeV proton-proton collisions using the ATLAS detector. <i>Physical Review D</i> , 2013 , 88,	4.9	13
450	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> , 2013 , 110, 011802	7.4	99
449	Search for long-lived stopped R-hadrons decaying out of time with pp collisions using the ATLAS detector. <i>Physical Review D</i> , 2013 , 88,	4.9	53
448	Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2013 , 87,	4.9	34
447	Measurement of charged-particle event shape variables in inclusive (s)=7 TeV proton-proton interactions with the ATLAS detector. <i>Physical Review D</i> , 2013 , 88,	4.9	10
446	Measurement of Z boson production in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 110, 022301	7.4	51
445	Measurement of $W+W$ production in pp collisions at $s=7$ TeV with the ATLAS detector and limits on anomalous WWZ and $WW\gamma$ couplings. <i>Physical Review D</i> , 2013 , 87,	4.9	70
444	Measurement of the B_0 lifetime and mass in the ATLAS experiment. <i>Physical Review D</i> , 2013 , 87,	4.9	17
443	Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. <i>Physical Review D</i> , 2013 , 88,	4.9	13
442	Search for new phenomena in events with three charged leptons at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2013 , 87,	4.9	14
441	Measurements of W and Z production in pp collisions at $s=7$ TeV with the ATLAS detector at the LHC. <i>Physical Review D</i> , 2013 , 87,	4.9	49
440	Measurement of the azimuthal angle dependence of inclusive jet yields in Pb+Pb collisions at (\sqrt{sNN})=2.76 TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 111, 152301	7.4	45

439	Search for a two-Higgs-boson doublet using a simplified model in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 110, 121801	7.4	4
438	Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow 4\ell$ using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 27-45	4.2	15
437	Measurement of the $\sigma_{\text{had}}^{\text{had}}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 706, 276-294	4.2	12
436	Measurement of the cross-section for b-jets produced in association with a Z boson at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 706, 295-313	4.2	23
435	Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 418-437	4.2	30
434	Measurements of the electron and muon inclusive cross-sections 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> , 2012 , 707, 438-458	4.2	42
433	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV in dilepton final states with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 459-477	4.2	41
432	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> , 2012 , 707, 330-348	4.2	200
431	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 478-496	4.2	35
430	Search for new physics in the dijet mass distribution using 1 fb ⁻¹ of pp collision data at $\sqrt{s} = 7$ TeV collected by the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 37-54	4.2	72
429	A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at $\sqrt{s} = 7$ TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 221-240	4.2	8
428	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 137-157	4.2	54
427	Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 158-176	4.2	40
426	Combined search for the Standard Model Higgs boson using up to 4.9 fb ⁻¹ of pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 49-66	4.2	301
425	Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 363-382	4.2	104
424	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> , 2012 , 709, 322-340	4.2	16
423	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 67-85	4.2	142
422	Measurement of the $W \rightarrow Z$ production cross section and limits on anomalous triple gauge couplings 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> , 2012 , 709, 341-357	4.2	18

4 ²¹	Search for diphoton events with large missing transverse momentum in 1 fb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 519-537	4.2	18
4 ²⁰	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ(\gamma\gamma)$ with 4.8 fb ⁻¹ of pp collision data at $\sqrt{s}=7$ TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 383-402	4.2	86
4 ¹⁹	Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 538-556	4.2	35
4 ¹⁸	Search for heavy vector-like quarks coupling to light quarks 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> , 2012 , 712, 22-39	4.2	29
4 ¹⁷	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> , 2012 , 711, 244-263	4.2	64
4 ¹⁶	Search for contact interactions in dilepton events from pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 40-58	4.2	8
4 ¹⁵	Measurement of the WW cross section in $pp \rightarrow WW + X$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 289-308	4.2	33
4 ¹⁴	Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 331-350	4.2	15
4 ¹³	Search for FCNC single top-quark production at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 351-369	4.2	35
4 ¹²	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	14
4 ¹¹	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
4 ¹⁰	Measurement of the charge asymmetry in top quark pair production in collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78
4 ⁰⁹	Search for lepton flavour violation in the continuum with the ATLAS detector in $pp \rightarrow \ell^+ \ell^- + X$ collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
4 ⁰⁸	Measurement of the top quark mass with the template method in the $t\bar{t} \rightarrow \ell^+ \ell^- + X$ channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046	4.2	42
4 ⁰⁷	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
4 ⁰⁶	Measurement of polarization in $t\bar{t} \rightarrow \ell^+ \ell^- + X$ decays with the ATLAS detector in collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
4 ⁰⁵	Measurement of the cross section for top-quark pair production in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS detector using final states with two high-p _T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43
4 ⁰⁴	Jet mass and substructure of inclusive jets in $(\sqrt{s} = 7 \text{ TeV})$ pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67

403	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	10
402	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb ⁻¹ of ($\sqrt{s} = 7$;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	48
401	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> , 2012 , 2012, 1	5-4	39
400	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in ($\sqrt{s} = 7$,{ $\mathrm{TeV}}$) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	37
399	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> , 2012 , 2012, 1	5-4	31
398	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> , 2012 , 2012, 1	5-4	11
397	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> , 2012 , 2012, 1	5-4	53
396	Search for high-mass resonances decaying to dilepton final states in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	49
395	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> , 2012 , 2012, 1	5-4	16
394	Time-dependent angular analysis of the decay $B_s^0 \rightarrow J/\psi \phi$ and extraction of β and the CP-violating weak phase γ by ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5-4	23
393	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> , 2012 , 2012, 1	5-4	45
392	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> , 2012 , 2012, 1	5-4	13
391	Search for excited leptons in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4-9	13
390	Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4-9	35
389	K_S^0 and Λ production in pp interactions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector at the LHC. <i>Physical Review D</i> , 2012 , 85,	4-9	20
388	Measurement of the production cross section for Z/γ in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4-9	28
387	Measurement of the inclusive W/γ and Z/γ cross sections in the e and μ decay channels in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4-9	117
386	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4-9	29

385	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> , 2012 , 85,	4.9	34
384	Search for the standard model Higgs boson in the diphoton decay channel with 4.9 fb ⁻¹ of pp collision data at $\sqrt{s}=7$ TeV with ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 111803	7.4	157
383	A particle consistent with the Higgs boson observed with the ATLAS detector at the Large Hadron Collider. <i>Science</i> , 2012 , 338, 1576-82	33.3	56
382	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 ⁻¹ of ATLAS data. <i>Physical Review D</i> , 2012 , 85,	4.9	53
381	Measurement of the b-hadron production cross section using decays to $\mu\bar{\nu}_\mu$. <i>Nuclear Physics B</i> , 2012 , 864, 341-381	2.8	17
380	Search for the decay $H \rightarrow \mu\mu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 387-407	4.2	55
379	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> , 2012 , 714, 180-196	4.2	10
378	Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying τ 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> , 2012 , 714, 197-214	4.2	6
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376	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> , 2012 , 716, 122-141	4.2	12
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371	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
370	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
369	Measurement of $[Z \rightarrow \mu\mu]$ production with a veto on additional central jet activity in collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4.2	82
368	A search for $[Z \rightarrow \mu\mu]$ resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 2083	4.2	14

367	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7\sim\text{mbox{TeV}}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35
366	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
365	Measurement of $W \mp Z$ production in proton-proton collisions at ($\sqrt{s}=7\sim\text{mbox{TeV}}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	54
364	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> , 2012 , 72, 1	4.2	24
363	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at ($\sqrt{\text{mathbf{s}}}=7\text{ mathrm{TeV}}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	18
362	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> , 2012 , 72, 1	4.2	11
361	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ($\sqrt{s}=7\text{ mathrm{TeV}}$) proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
360	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ($\sqrt{s} = 7\text{ mathrm{TeV}}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	34
359	Search for doubly charged Higgs bosons in like-sign dilepton final states at ($\sqrt{s} = 7\text{ mathrm{TeV}}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
358	Search for a standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \mu\mu$ decay channel using 4.7fb of $s=7\text{TeV}$ data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 29-48	4.2	12
357	Measurement of W and Z production cross sections in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 49-69	4.2	16
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355	Measurement of the t-channel single top-quark production cross section in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 330-350	4.2	91
354	Measurement of the top quark pair cross section with ATLAS in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 89-108	4.2	38
353	Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 369-390	4.2	23
352	Search for the Higgs boson in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 391-410	4.2	10
351	Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 411-430	4.2	19
350	Search for direct top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 7\text{ TeV}$ pp collisions using 4.7 fb(-10 of ATLAS data. <i>Physical Review Letters</i> , 2012 , 109, 211803	7.4	70

349	Combined search for the Standard Model Higgs boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	96
348	Search for magnetic monopoles in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 109, 261803	7.4	45
347	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7$ TeV) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
346	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
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343	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
342	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	23
341	Search for gluinos in events with two same-sign leptons, jets, and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 241802	7.4	35
340	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	1
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337	Search for scalar bottom quark pair production with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 181802	7.4	54
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334	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> , 2012 , 108, 261802	7.4	26
333	Observation of spin correlation in $t\bar{t}$ events from pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 212001	7.4	67
332	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	107

331	Observation of a new (b) state in radiative transitions to $(1S)$ and $(2S)$ at ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 152001	7.4	77
330	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> , 2012 , 85,	4.9	30
329	Search for tb resonances in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 109, 081801	7.4	31
328	Search for a heavy vector boson decaying to two gluons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	2
327	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> , 2012 , 86,	4.9	11
326	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> , 2012 , 109, 071801	7.4	23
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323	Search for a light Higgs boson decaying to long-lived weakly interacting particles in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 251801	7.4	48
322	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> , 2012 , 86,	4.9	42
321	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	24
320	Measurement of D^{*0} meson production in jets from pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	19
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315	Search for supersymmetry in events with three leptons and missing transverse momentum in $(\sqrt{s})=7$ TeV pp collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 261804	7.4	30
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309	Measurement of the differential cross-sections of inclusive, prompt and non-prompt J/ψ production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Nuclear Physics B</i> , 2011 , 850, 387-444	2.8	130
308	Search for heavy long-lived charged particles 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> , 2011 , 703, 428-446	4.2	40
307	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 9-27	4.2	17
306	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb^{-1} of pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 28-46	4.2	43
305	Search for neutral MSSM Higgs bosons decaying to . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 174-192	4.2	40
304	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> , 2011 , 705, 294-312	4.2	52
303	Measurement of the transverse momentum distribution of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 415-434	4.2	55
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301	Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 452-470	4.2	20
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299	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> , 2011 , 71, 1	4.2	103
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297	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	16
296	Luminosity determination in pp collisions at $(\sqrt{s} = 7)$ TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167

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292	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> , 2011 , 71, 1	4.2	37
291	Search for diphoton events with large missing transverse energy with 36 pb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	15
290	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	44
289	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> , 2011 , 71, 1	4.2	51
288	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb ⁻¹ of ATLAS data. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
287	Search for massive colored scalars in four-jet final states in ($\sqrt{s}=7\sim\text{mbox{TeV}}$) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
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282	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> , 2011 , 2011, 1	5.4	60
281	Search for contact interactions in dimuon events from pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 84,	4.9	6
280	Search for pair production of first or second generation leptoquarks in proton-proton collisions at $s=7$ TeV using the ATLAS detector at the LHC. <i>Physical Review D</i> , 2011 , 83,	4.9	16
279	Study of jet shapes in inclusive jet production in pp collisions at $s=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	50
278	Measurement of the W ⁺ W ⁻ cross section in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. <i>Physical Review Letters</i> , 2011 , 107, 041802	7.4	23

277	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> , 2011 , 83,	4.9	112
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267	Measurement of the W charge asymmetry in the $W \rightarrow \tau\nu$ decay channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 31-49	4.2	33
266	Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 50-69	4.2	20
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264	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 398-416	4.2	54
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252	Search for technicolor particles produced in association with a W Boson at CDF. <i>Physical Review Letters</i> , 2010 , 104, 111802	7.4	6
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243	Search for the Higgs boson using neural networks in events with missing energy and b-quark jets in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 141801	7.4	10
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240	Search for new particles in two-jet final states in 7 TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 161801	7.4	97
239	Search for WW and WZ resonances decaying to electron, missing E(T), and two jets in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 241801	7.4	26
238	Measurement of the ratio $\sigma(t\bar{t})/\sigma(Z/\gamma^* \rightarrow ll)$ and precise extraction of the $t\bar{t}$ cross section. <i>Physical Review Letters</i> , 2010 , 105, 012001	7.4	54
237	Search for new physics with a dijet plus missing E(T) signature in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 131801	7.4	8
236	Search for supersymmetry with gauge-mediated breaking in diphoton events with missing transverse energy at CDF II. <i>Physical Review Letters</i> , 2010 , 104, 011801	7.4	31
235	Search for new bottomlike quark pair decays $QQ \rightarrow (tW^{+(-)})(tW^{+(-)})$ in same-charge dilepton events. <i>Physical Review Letters</i> , 2010 , 104, 091801	7.4	70
234	Combination of Tevatron searches for the standard model Higgs boson in the $W+W-$ decay mode. <i>Physical Review Letters</i> , 2010 , 104, 061802	7.4	104
233	Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at $\sqrt{S(NN)}=2.76$ TeV with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 252303	7.4	45 ⁸
232	Observation of single top quark production and measurement of $ V_{tb} $ with CDF. <i>Physical Review D</i> , 2010 , 82,	4.9	74
231	Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron. <i>Physical Review D</i> , 2010 , 82,	4.9	45
230	Study of the associated production of photons and b-quark jets in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 81,	4.9	20
229	Measurement of Z/γ production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	7
228	Search for anomalous production of events with two photons and additional energetic objects at CDF. <i>Physical Review D</i> , 2010 , 82,	4.9	12
227	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV using soft electron b-tagging. <i>Physical Review D</i> , 2010 , 81,	4.9	6
226	Measurement of the top quark mass in the dilepton channel using m_{T2} at CDF. <i>Physical Review D</i> , 2010 , 81,	4.9	21
225	Measurements of branching fraction ratios and CP asymmetries in $B_{\pm} \rightarrow DCPK_{\pm}$ decays in hadron collisions. <i>Physical Review D</i> , 2010 , 81,	4.9	21
224	Measurements of the top-quark mass using charged particle tracking. <i>Physical Review D</i> , 2010 , 81,	4.9	19

223	Combined Tevatron upper limit on $gg \rightarrow H \rightarrow W+W$ and constraints on the Higgs boson mass in fourth-generation fermion models. <i>Physical Review D</i> , 2010 , 82,	4.9	31
222	Search for single top quark production in pp collisions at $\sqrt{s}=1.96$ TeV in the missing transverse energy plus jets topology. <i>Physical Review D</i> , 2010 , 81,	4.9	15
221	Data quality from the Detector Control System at the ATLAS experiment. <i>Journal of Physics: Conference Series</i> , 2010 , 219, 022037	0.3	4
220	ATLAS offline data quality monitoring. <i>Journal of Physics: Conference Series</i> , 2010 , 219, 042018	0.3	10
219	Study of multi-muon events produced in $(p\bar{p})$ interactions at $(\sqrt{s}=1.96)$ TeV. <i>European Physical Journal C</i> , 2010 , 68, 109-118	4.2	4
218	Comments and Reply on: Study of multi-muon events produced in $(p\bar{p})$ interactions at $(\sqrt{s}=1.96)$ TeV. T. Aaltonen et al. (The CDF Collaboration). <i>European Physical Journal C</i> , 2010 , 68, 119-123	4.2	
217	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 723-753	4.2	41
216	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821	4.2	70
215	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , 2010 , 70, 755-785	4.2	12
214	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. <i>European Physical Journal C</i> , 2010 , 70, 875-916	4.2	14
213	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
212	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	4.2	82
211	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	14
210	Measurement of the $W \rightarrow \ell\bar{\nu}$ and $Z/\ell^* \rightarrow \ell\bar{\nu}$ production cross sections in proton-proton collisions at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
209	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> , 2010 , 688, 21-42	4.2	121
208	Search for new color-octet vector particle decaying to $q\bar{q}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 691, 183-190	4.2	16
207	Measurement of $\sigma_{\text{had}}(pp)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 692, 232-239	4.2	63
206			

205	Inclusive search for squark and gluino production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 121801	7.4	64
204	Search for high-mass resonances decaying to dimuons at CDF. <i>Physical Review Letters</i> , 2009 , 102, 091805	7.4	83
203	First observation of $B(s)(0) \rightarrow D(s)(\pm)K(\mp)$ and measurement of the ratio of branching fractions $B(B(s)(0) \rightarrow D(s)(\pm)K(\mp))/B(B(s)(0) \rightarrow D(s)(\pm)\pi(\mp))$. <i>Physical Review Letters</i> , 2009 , 103, 191802	7.4	17
202	Observation of new charmless decays of bottom hadrons. <i>Physical Review Letters</i> , 2009 , 103, 031801	7.4	40
201	First observation of vector boson pairs in a hadronic final state at the tevatron collider. <i>Physical Review Letters</i> , 2009 , 103, 091803	7.4	18
200	Search for Higgs bosons predicted in two-Higgs-doublet models via decays to tau lepton pairs in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2009 , 103, 201801	7.4	33
199	Direct bound on the total decay width of the top quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 042001	7.4	15
198	Search for long-lived massive charged particles in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2009 , 103, 021802	7.4	56
197	Search for maximal flavor violating scalars in same-charge lepton pairs in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 041801	7.4	22
196	Direct measurement of the W production charge asymmetry in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 181801	7.4	67
195	Search for the neutral current top quark decay $t \rightarrow Zc$ using the ratio of Z-boson+4 jets to W-boson+4 jets production. <i>Physical Review D</i> , 2009 , 80,	4.9	4
194	Measurement of resonance parameters of orbitally excited narrow B0 mesons. <i>Physical Review Letters</i> , 2009 , 102, 102003	7.4	32
193	Search for a Higgs boson decaying to two W bosons at CDF. <i>Physical Review Letters</i> , 2009 , 102, 021802	7.4	19
192	Search for anomalous production of events with a photon, jet, b-quark jet, and missing transverse energy. <i>Physical Review D</i> , 2009 , 80,	4.9	3
191	Search for exclusive Z-boson production and observation of high-mass $pp \rightarrow p\gamma\gamma p$ events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 222002	7.4	54
190	Search for the production of narrow $t\bar{b}$ resonances in 1.9 fb^{-1} of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 041801	7.4	50
189	Evidence for a narrow near-threshold structure in the $J/\psi\varphi$ mass spectrum in $B_c \rightarrow J/\psi\varphi K$ decays. <i>Physical Review Letters</i> , 2009 , 102, 242002	7.4	211
188	Measurement of cross sections for b jet production in events with a Z boson in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	26

187	Search for a standard model Higgs boson in $WH \rightarrow l\nu b\bar{b}$ in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 101802	7.4	30
186	Precision measurement of the $X(3872)$ mass in $J/\psi \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2009 , 103, 152001	7.4	71
185	Search for the decays $B_{(s)}^0 \rightarrow e^+ \mu^-$ and $B_{(s)}^0 \rightarrow e^+ e^-$ in CDF run II. <i>Physical Review Letters</i> , 2009 , 102, 201801	7.4	31
184	Top quark mass measurement in the lepton plus jets channel using a modified matrix element method. <i>Physical Review D</i> , 2009 , 79,	4.9	15
183	Search for top-quark production via flavor-changing neutral currents in $W+1$ jet events at CDF. <i>Physical Review Letters</i> , 2009 , 102, 151801	7.4	51
182	Observation of exclusive charmonium production and $\gamma\gamma \rightarrow \mu^+ \mu^-$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 242001	7.4	126
181	Measurement of the $k(T)$ distribution of particles in jets produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 232002	7.4	10
180	Search for Gluino-Mediated Bottom Squark Production in pp Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 221801	7.4	13
179	First measurement of the $t\bar{t}$ differential cross section $d\sigma/dM_{t\bar{t}}$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 222003	7.4	113
178	Search for new physics in the $\mu e \mu E T$ channel with a low- p_T lepton threshold at the Collider Detector at Fermilab. <i>Physical Review D</i> , 2009 , 79,	4.9	5
177	Search for high-mass e^+e^- resonances in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 031801	7.4	55
176	Search for the associated production of the standard-model Higgs Boson in the all-hadronic channel. <i>Physical Review Letters</i> , 2009 , 103, 221801	7.4	9
175	Search for a fermiophobic Higgs boson decaying into diphotons in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 061803	7.4	24
174	Measurement of the top-quark mass with dilepton events selected using neuroevolution at CDF. <i>Physical Review Letters</i> , 2009 , 102, 152001	7.4	38
173	Observation of electroweak single top-quark production. <i>Physical Review Letters</i> , 2009 , 103, 092002	7.4	174
172	First measurement of the ratio of branching fractions $B(B^0 \rightarrow \bar{d} \pi^+) / B(B^0 \rightarrow \bar{d} \pi^0)$ <i>Physical Review D</i> , 2009 , 79,	4.9	16
171	Search for charged Higgs bosons in decays of top quarks in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 101803	7.4	87
170	Measurement of W-boson helicity fractions in top-quark decays using $\cos\theta$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 674, 160-167	4.2	17

169	Search for narrow resonances lighter than η mesons. <i>European Physical Journal C</i> , 2009 , 62, 319-326	4.2	6
168	Observation of the Λ_b baryon and measurement of the properties of the Λ_b and Λ_b baryons. <i>Physical Review D</i> , 2009 , 80,	4.9	41
167	Production of χ_{c2} mesons in pp collisions at 1.96 TeV. <i>Physical Review D</i> , 2009 , 80,	4.9	37
166	Search for new particles decaying into dijets in proton-antiproton collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	159
165	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $s=1.96$ TeV using the CDF detector. <i>Physical Review D</i> , 2009 , 80,	4.9	26
164	Search for the Higgs boson produced in association with $Z \rightarrow \mu\mu$ using the matrix element method at CDF II. <i>Physical Review D</i> , 2009 , 80,	4.9	9
163	Global search for new physics with 2.0 fb^{-1} at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9	44
162	Measurement of the $t\bar{t}$ cross section in pp collisions at $s=1.96$ TeV using dilepton events with a lepton plus track selection. <i>Physical Review D</i> , 2009 , 79,	4.9	11
161	Search for standard model Higgs boson production in association with a W boson using a neural network discriminant at CDF. <i>Physical Review D</i> , 2009 , 80,	4.9	6
160	Measurement of the ratio of branching fractions $B(B \rightarrow J/\psi)/B(B \rightarrow J/\psi K^0)$. <i>Physical Review D</i> , 2009 , 79,	4.9	2
159	Search for the rare decays $B^+ \rightarrow \mu^+ K^+$, $B^0 \rightarrow \mu^+ K^{*0}(892)$, and $B_s^0 \rightarrow \mu^+$ at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9	18
158	Measurement of the $t\bar{t}$ production cross section in 2 fb^{-1} of pp collisions at $s=1.96$ TeV using lepton plus jets events with soft muon b tagging. <i>Physical Review D</i> , 2009 , 79,	4.9	13
157	Top quark mass measurement in the $t\bar{t}$ all hadronic channel using a matrix element technique in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	10
156	Measurement of the top quark mass using the invariant mass of lepton pairs in soft muon b-tagged events. <i>Physical Review D</i> , 2009 , 80,	4.9	7
155	Search for WW and WZ production in lepton plus jets final state at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9	1
154	Measurement of the fraction of $t\bar{t}$ production via gluon-gluon fusion in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	12
153	Measurement of particle production and inclusive differential cross sections in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	43
152	First simultaneous measurement of the top quark mass in the lepton+jets and dilepton channels at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9	25

151	Measurement of the b-hadron production cross section using decays to $D^0 X$ final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	18
150	Searching the inclusive B^0 + b-quark signature for radiative top quark decay and non-standard-model processes. <i>Physical Review D</i> , 2009 , 80,	4.9	5
149	Measurement of the top quark mass at CDF using the B neutrino χ^2 weighting template method on a lepton plus isolated track sample. <i>Physical Review D</i> , 2009 , 79,	4.9	10
148	Measurement of inclusive jet cross sections in $Z/\gamma^*(\rightarrow e^+e^-) + jets$ production in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 102001	7.4	60
147	Search for chargino-neutralino production in pp collisions at $\sqrt{s}=1.96$ TeV with high- p_T leptons. <i>Physical Review D</i> , 2008 , 77,	4.9	11
146	Observation of exclusive dijet production at the Fermilab Tevatron $p\bar{p}$ collider. <i>Physical Review D</i> , 2008 , 77,	4.9	62
145	First run II measurement of the W boson mass at the Fermilab Tevatron. <i>Physical Review D</i> , 2008 , 77,	4.9	44
144	Limits on the production of narrow tt resonances in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	34
143	First measurement of the fraction of top-quark pair production through gluon-gluon fusion. <i>Physical Review D</i> , 2008 , 78,	4.9	9
142	Measurement of the cross section for W-boson production in association with jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	59
141	Search for heavy, long-lived neutralinos that decay to photons at CDF II using photon timing. <i>Physical Review D</i> , 2008 , 78,	4.9	14
140	Search for third generation vector leptoquarks in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	13
139	Search for new heavy particles decaying to $Z^0 Z^0 \rightarrow e^+e^-e^+e^-$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 78,	4.9	4
138	Cross section measurements of high- p_T dilepton final-state processes using a global fitting method. <i>Physical Review D</i> , 2008 , 78,	4.9	8
137	Model-independent and quasi-model-independent search for new physics at CDF. <i>Physical Review D</i> , 2008 , 78,	4.9	30
136	First measurement of W boson production in association with a single Charm quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 091803	7.4	32
135	Measurement of the inclusive jet cross section at the Fermilab Tevatron pp collider using a cone-based jet algorithm. <i>Physical Review D</i> , 2008 , 78,	4.9	119
134	Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ decays with 2 fb^{-1} of pp collisions. <i>Physical Review Letters</i> , 2008 , 100, 101802	7.4	164

133	Search for the Higgs boson in events with missing transverse energy and b quark jets produced in pp collisions at square root(s)=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 100, 211801	7.4	13
132	Search for standard model Higgs bosons produced in association with W bosons. <i>Physical Review Letters</i> , 2008 , 100, 041801	7.4	12
131	Search for pair production of scalar top quarks decaying to a tau lepton and a b quark in pp over collisions at sqrt s=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 071802	7.4	15
130	Measurement of the single-top-quark production cross section at CDF. <i>Physical Review Letters</i> , 2008 , 101, 252001	7.4	44
129	Measurement of b-jet shapes in inclusive jet production in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2008 , 78,	4.9	9
128	Two-particle momentum correlations in jets produced in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	9
127	Measurement of correlated bb production in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	22
126	Forward-backward asymmetry in top-quark production in pp collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 202001	7.4	177
125	Measurement of ratios of fragmentation fractions for bottom hadrons in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	26
124	First observation of the decay $B_s^0 \rightarrow D_s^- D_s^+$ and measurement of its branching ratio. <i>Physical Review Letters</i> , 2008 , 100, 021803	7.4	15
123	Search for supersymmetry in pp collisions at sqrt[s]=1.96 TeV Using the trilepton signature for chargino-neutralino production. <i>Physical Review Letters</i> , 2008 , 101, 251801	7.4	52
122	Strong evidence for ZZ production in pp collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 100, 201801	7.4	28
121	Search for standard model Higgs boson production in association with a W boson at CDF. <i>Physical Review D</i> , 2008 , 78,	4.9	10
120	Search for the Higgs boson produced in association with $Z \rightarrow l+l$ in pp collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 251803	7.4	4
119	Measurement of Lifetime and Decay-Width Difference in $B_{s;0} \rightarrow J/\psi \varphi$ Decays. <i>Physical Review Letters</i> , 2008 , 100, 121803	7.4	36
118	Search for resonant $t\bar{t}$ production in pp collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 100, 231801	7.4	37
117	Observation of orbitally excited B(s) mesons. <i>Physical Review Letters</i> , 2008 , 100, 082001	7.4	73
116	Search for heavy toplike quarks using lepton plus jets events in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2008 , 100, 161803	7.4	30

115	Search for doubly charged Higgs bosons with lepton-flavor-violating decays involving tau leptons. <i>Physical Review Letters</i> , 2008 , 101, 121801	7.4	42
114	Search for the flavor-changing neutral-current decay $t \rightarrow Zq$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 192002	7.4	50
113	Evidence for D^0 - $D^0(0)$ mixing using the CDF II detector. <i>Physical Review Letters</i> , 2008 , 100, 121802	7.4	91
112	Observation of the decay $B_{c+/-} \rightarrow J/\psi \pi^{+/-}$ and measurement of the $B_{c+/-}$ mass. <i>Physical Review Letters</i> , 2008 , 100, 182002	7.4	90
111	Search for large extra dimensions in final states containing one photon or jet and large missing transverse energy produced in pp collisions at square root $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 181602	7.4	72
110	First flavor-tagged determination of bounds on mixing-induced CP violation in $B_s^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review Letters</i> , 2008 , 100, 161802	7.4	161
109	Direct measurement of the W Boson width in pp collisions at square roots = 1.96 TeV. <i>Physical Review Letters</i> , 2008 , 100, 071801	7.4	11
108	Cross-section-constrained top-quark mass measurement from dilepton events at the Tevatron. <i>Physical Review Letters</i> , 2008 , 100, 062005	7.4	15
107	Measurement of the B^+ production cross section in pp collisions at $\sqrt{s} = 1.96$ GeV. <i>Physical Review D</i> , 2007 , 75,	4.9	45
106	Precision measurement of the top-quark mass from dilepton events at CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	26
105	Search for $W \rightarrow e \nu_e$ boson decaying to electron-neutrino pairs in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	20
104	Search for new physics in lepton+photon+X events with 929 pb^{-1} of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	10
103	Search for exotic $S = \pm 1$ baryons in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	7
102	Measurement of the top quark mass in pp collisions at $\sqrt{s} = 1.96$ TeV using the decay length technique. <i>Physical Review D</i> , 2007 , 75,	4.9	12
101	Measurement of the helicity fractions of W bosons from top quark decays using fully reconstructed tt events with CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	24
100	Measurements of inclusive W and Z cross sections in \overline{pp} collisions at $\sqrt{s} = 1.96$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, 2457-2544	2.9	174
99	Limits on anomalous triple gauge couplings in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	16
98	Searches for direct pair production of supersymmetric top and supersymmetric bottom quarks in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	27

97	Measurement of the top-quark mass using missing ET+jets events with secondary vertex b-tagging at CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	7
96	On-line tracking processors at hadron colliders: The SVT experience at CDF II and beyond. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 581, 473-475	1.2	7
95	The Silicon Vertex Trigger upgrade at CDF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 572, 361-364	1.2	29
94	Analysis of the quantum numbers J(PC) of the X(3872) particle. <i>Physical Review Letters</i> , 2007 , 98, 132002	7.4	159
93	Measurement of the $pp \rightarrow t\bar{t}$ production cross section and the top quark mass at $s=1.96$ TeV in the all-hadronic decay mode. <i>Physical Review D</i> , 2007 , 76,	4.9	23
92	Search for exclusive $\gamma\gamma$ production in Hadron-Hadron collisions. <i>Physical Review Letters</i> , 2007 , 99, 242002	7.4	56
91	Measurement of the Λ_b^0 lifetime in $\Lambda_b^0 \rightarrow J/\psi \Lambda^0$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 122001	7.4	22
90	Polarizations of J/ψ and $\psi(2S)$ mesons produced in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 132001	7.4	165
89	Measurement of the ratios of branching fractions $B(B_{0s} \rightarrow D_s^- \pi^+ \pi^+ \pi^-)/B(B_{0s} \rightarrow D^- \pi^+ \pi^+ \pi^-)$ and $B(B_{0s} \rightarrow D_s^- \pi^+)/B(B_{0s} \rightarrow D^- \pi^+)$. <i>Physical Review Letters</i> , 2007 , 98, 061802	7.4	12
88	Measurement of the inclusive jet cross section using the kT algorithm in pp collisions at $s=1.96$ TeV with the CDF II detector. <i>Physical Review D</i> , 2007 , 75,	4.9	89
87	Measurement of $\langle \sigma(pp \rightarrow Z) \rangle$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	23
86	Search for chargino-neutralino production in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 191806	7.4	9
85	Search for V+A current in top-quark decays in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 072001	7.4	21
84	Inclusive search for new physics with like-sign dilepton events in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 221803	7.4	39
83	Observation of the Heavy Baryons Σ_b and Σ_b^* . <i>Physical Review Letters</i> , 2007 , 99, 202001	7.4	93
82	Measurement of $\sigma(\Lambda_b^0)/\sigma(B^0) \times B(\Lambda_b^0 \rightarrow \Lambda^+ \pi^-)/B(B^0 \rightarrow D^+ \pi^-)$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 122002	7.4	19
81	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 131804	7.4	14
80	Search for new particles leading to Z+jets final states in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	28

79	Search for new physics in high-mass electron-positron events in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 171802	7.4	65
78	Observation of exclusive electron-positron production in hadron-hadron collisions. <i>Physical Review Letters</i> , 2007 , 98, 112001	7.4	67
77	First measurement of the W-boson mass in run II of the Tevatron. <i>Physical Review Letters</i> , 2007 , 99, 151801	7.4	37
76	Measurement of the top-quark mass in all-hadronic decays in pp collisions at CDF II. <i>Physical Review Letters</i> , 2007 , 98, 142001	7.4	24
75	Observation and mass measurement of the baryon Λ_b^- . <i>Physical Review Letters</i> , 2007 , 99, 052002	7.4	80
74	Precise measurement of the top-quark mass in the lepton+jets topology at CDF II. <i>Physical Review Letters</i> , 2007 , 99, 182002	7.4	24
73	Search for heavy long-lived particles that decay to photons at CDF II. <i>Physical Review Letters</i> , 2007 , 99, 121801	7.4	20
72	Observation of WZ production. <i>Physical Review Letters</i> , 2007 , 98, 161801	7.4	33
71	Search for high-mass diphoton states and limits on Randall-Sundrum gravitons at CDF. <i>Physical Review Letters</i> , 2007 , 99, 171801	7.4	19
70	First measurement of the ratio of central-electron to forward-electron W partial cross sections in pp collisions at $(\sqrt{s}) = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 251801	7.4	2
69	Measurement of $\sigma(\chi_{c2} \rightarrow J/\psi \gamma) / \sigma(\chi_{c1} \rightarrow J/\psi \gamma)$ in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 232001	7.4	47
68	The "Road Warrior" for the CDF online silicon vertex tracker. <i>IEEE Transactions on Nuclear Science</i> , 2006 , 53, 648-652	1.7	1
67	Search for high-mass resonances decaying to $e\mu$ in pp collisions at square root $s = 1.69$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 211802	7.4	28
66	Evidence for the exclusive decay $B(c)^+ \rightarrow J/\psi \pi^+$ and measurement of the mass of the $B(c)^+$ meson. <i>Physical Review Letters</i> , 2006 , 96, 082002	7.4	69
65	Precision top-quark mass measurement in the lepton+jets topology in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 022004	7.4	30
64	Measurement of the ratios of branching fractions and. <i>Physical Review Letters</i> , 2006 , 96, 191801	7.4	14
63	Measurement of the inclusive jet cross section using the kT algorithm in pp collisions at $(\sqrt{s}) = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 122001	7.4	33
62	Search for neutral Higgs bosons of the minimal supersymmetric standard model decaying to tau pairs in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 011802	7.4	61

61	Top-quark mass measurement from dilepton events at CDF II. <i>Physical Review Letters</i> , 2006 , 96, 152002	7.4	21
60	Measurement of the tt production cross section in pp collisions at square root $s = 1.96$ TeV using missing E(T) + jets events with secondary vertex b tagging. <i>Physical Review Letters</i> , 2006 , 96, 202002	7.4	14
59	Measurement of the tt production cross section in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 082004	7.4	59
58	Search for large extra dimensions in the production of jets and missing transverse energy in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 171802	7.4	41
57	Top quark mass measurement from dilepton events at CDF II with the matrix-element method. <i>Physical Review D</i> , 2006 , 74,	4.9	22
56	Measurement of the top quark mass using template methods on dilepton events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	37
55	Search for a neutral Higgs boson decaying to a W boson pair in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 081802	7.4	17
54	Measurement of the B_c^+ meson lifetime using the decay mode $B_c^+ \rightarrow J/\Psi e^+ \nu_e$. <i>Physical Review Letters</i> , 2006 , 97, 012002	7.4	66
53	Observation of $B(0)(s) \rightarrow \Psi(2S)\Phi$ and measurement of the ratio of branching fractions $\text{Beta}(B(0)(s) \rightarrow \Psi(2S)\Phi) / \text{Beta}(B(0)(s) \rightarrow J/\Psi\Phi)$. <i>Physical Review Letters</i> , 2006 , 96, 231801	7.4	11
52	Measurement of the dipion mass spectrum in decays. <i>Physical Review Letters</i> , 2006 , 96, 102002	7.4	104
51	Search for Higgs bosons decaying to bb and produced in association with W bosons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 081803	7.4	9
50	Search for $Z' \rightarrow e^+ e^-$ using dielectron mass and angular distribution. <i>Physical Review Letters</i> , 2006 , 96, 211801	7.4	63
49	Search for charged Higgs bosons from top quark decays in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 042003	7.4	101
48	Direct search for Dirac magnetic monopoles in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 201801	7.4	37
47	Search for scalar bottom quarks from gluino decays in collisions at. <i>Physical Review Letters</i> , 2006 , 96, 171802	7.4	11
46	Observation of $B(s)0 \rightarrow K^+ K^-$ and measurements of branching fractions of charmless two-body decays of $B0$ and $B(s)0$ mesons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 211802	7.4	50
45	Measurement of the B_s0 - B_s0 oscillation frequency. <i>Physical Review Letters</i> , 2006 , 97, 062003	7.4	133
44	Measurement of bottom-quark hadron masses in exclusive J/ψ decays with the CDF detector. <i>Physical Review Letters</i> , 2006 , 96, 202001	7.4	78

43	Observation of Bs(0)-Bs(0) oscillations. <i>Physical Review Letters</i> , 2006 , 97, 242003	7.4	274
42	Search for excited and exotic muons in the muon decay channel in p-p collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 191802	7.4	14
41	Measurement of the helicity of W bosons in top-quark decays. <i>Physical Review D</i> , 2006 , 73,	4.9	17
40	Measurement of the ratio of branching fractions $B(D^0 \rightarrow K^+ \pi^-) / B(D^0 \rightarrow K^0 \pi^0)$ using the CDF II detector. <i>Physical Review D</i> , 2006 , 74,	4.9	13
39	Search for second-generation scalar leptoquarks in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	21
38	Measurement of the top quark mass with the dynamical likelihood method using lepton plus jets events with b-tags in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	20
37	Measurement of the inclusive jet cross section in pp interactions at $s=1.96$ TeV using a cone-based jet algorithm. <i>Physical Review D</i> , 2006 , 74,	4.9	30
36	Search for new physics in lepton+photon+X events with 305 pb ⁻¹ of pp collisions at $[\sqrt{s}] = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 031801	7.4	7
35	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV using lepton+jets events with jet probability b-tagging. <i>Physical Review D</i> , 2006 , 74,	4.9	68
34	Measurement of the b jet cross section in events with a Z boson in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 74,	4.9	20
33	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV in the all hadronic decay mode. <i>Physical Review D</i> , 2006 , 74,	4.9	13
32	Search for anomalous semileptonic decay of heavy flavor hadrons produced in association with a W boson at CDF II. <i>Physical Review D</i> , 2006 , 73,	4.9	3
31	Measurement of mass and width of the excited charmed meson states D_{10} and D_{2^*0} at CDF. <i>Physical Review D</i> , 2006 , 73,	4.9	15
30	Top quark mass measurement using the template method in the lepton+jets channel at CDF II. <i>Physical Review D</i> , 2006 , 73,	4.9	112
29	Determination of the jet energy scale at the Collider Detector at Fermilab. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 566, 375-412	1.2	233
28	Real time secondary vertexing at CDF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 569, 111-114	1.2	4
27	A search for $t \rightarrow \bar{q}$ in $t\bar{t}$ production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 172-178	4.2	9
26	Measurement of the forward-backward charge asymmetry from $W \rightarrow e\bar{\nu}$ production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	61

25	Study of jet shapes in inclusive jet production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	58
24	Measurement of the tt production cross section in pp collisions at $s=1.96$ TeV using lepton plus jets events with semileptonic B decays to muons. <i>Physical Review D</i> , 2005 , 72,	4.9	31
23	Search for scalar leptoquark pairs decaying to qq in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	7
22	Search for $B^0 \rightarrow p\bar{n}$ and $B^0 \rightarrow pK$ decays in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 72,	4.9	3
21	Measurement of the J/ψ meson and b-hadron production cross sections in pp collisions at $s=1.96$ GeV. <i>Physical Review D</i> , 2005 , 71,	4.9	596
20	Search for first-generation scalar leptoquarks in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 72,	4.9	24
19	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. <i>Physical Review D</i> , 2005 , 71,	4.9	27
18	Measurement of the tt production cross section in pp collisions at $s=1.96$ TeV using kinematic fitting of b-tagged lepton+jet events. <i>Physical Review D</i> , 2005 , 71,	4.9	28
17	Search for ZZ and ZW production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	7
16	Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models. <i>Physical Review D</i> , 2005 , 71,	4.9	21
15	Search for electroweak single-top-quark production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	32
14	Search for excited and exotic electrons in the $e\gamma$ decay channel in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 101802	7.4	25
13	Measurement of the tt production cross section in pp collisions at $s=1.96$ TeV using lepton + jets events with secondary vertex b-tagging. <i>Physical Review D</i> , 2005 , 71,	4.9	217
12	Measurement of the cross section for tt production in pp collisions using the kinematics of lepton+jets events. <i>Physical Review D</i> , 2005 , 72,	4.9	34
11	Measurement of the $W(+)W(-)$ production cross section in pp collisions at square root $[s]=1.96$ TeV using dilepton events. <i>Physical Review Letters</i> , 2005 , 94, 211801	7.4	23
10	Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at the collider detector at fermilab. <i>Physical Review Letters</i> , 2005 , 95, 102002	7.4	38
9	Search for new physics using high-mass tau pairs from 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2005 , 95, 131801	7.4	38
8	Search for anomalous kinematics in tt dilepton events at CDF II. <i>Physical Review Letters</i> , 2005 , 95, 022001	7.4	8

7	Measurement of the lifetime difference between Bs mass eigenstates. <i>Physical Review Letters</i> , 2005 , 94, 101803	7.4	50
6	Search for new high-mass particles decaying to Lepton pairs in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 95, 252001	7.4	39
5	Evidence for $B^0 \rightarrow \phi \phi$ decay and measurements of branching ratio and $A(\text{CP})$ for $B^+ \rightarrow \phi K^+$. <i>Physical Review Letters</i> , 2005 , 95, 031801	7.4	31
4	Search for [corrected] $B^0(s) \rightarrow \mu^+ \mu^-$ and $B^0(d)$ [corrected] $\rightarrow \mu^+ \mu^-$ decays in pp collisions with CDF II. <i>Physical Review Letters</i> , 2005 , 95, 221805	7.4	33
3	Search for long-lived doubly charged Higgs bosons in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 95, 071801	7.4	27
2	Measurement of the cross section for prompt diphoton production in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 95, 022003	7.4	33
1	Measurement of W and Z production in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 041803	7.4	30