

Alberto Annovi

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1,365
papers

55,380
citations

101
h-index

171
g-index

1,405
ext. papers

62,000
ext. citations

5.1
avg. IF

4.01
L-index

#	Paper	IF	Citations
1365	Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 1-29	4.2	5271
1364	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
1363	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
1362	Measurement of the J/ψ meson and b-hadron production cross sections in pp collisions at $\sqrt{s}=1960$ GeV. <i>Physical Review D</i> , 2005 , 71,	4.9	596
1361	Observation of the narrow state $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in pp collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 072001	7.4	469
1360	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	458
1359	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
1358	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
1357	Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{S(NN)}=2.76$ TeV lead-lead collisions with the ATLAS detector. <i>Physical Review C</i> , 2012 , 86,	2.7	313
1356	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
1355	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
1354	Observation of $B_s(0)$ - $B_s(0)$ oscillations. <i>Physical Review Letters</i> , 2006 , 97, 242003	7.4	274
1353	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
1352	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
1351	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
1350	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
1349	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2011 , 13, 053033	2.9	259

1348	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
1347	Evidence for a mass dependent forward-backward asymmetry in top quark pair production. <i>Physical Review D</i> , 2011 , 83,	4.9	219
1346	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
1345	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96 \text{ TeV}$ using lepton + jets events with secondary vertex b -tagging. <i>Physical Review D</i> , 2005 , 71,	4.9	217
1344	Evidence for a narrow near-threshold structure in the J/ψ mass spectrum in $B_{(c)} \rightarrow J/\psi K_{(c)}$ decays. <i>Physical Review Letters</i> , 2009 , 102, 242002	7.4	211
1343	Jet energy measurement 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	209
1342	Search for high-mass dilepton resonances in pp collisions at $s=8 \text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4.9	209
1341	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at $\sqrt{s}=7 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 299	4.2	202
1340	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}}=2.76 \text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 330-348	4.2	200
1339	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199
1338	Search for new phenomena in the dijet mass distribution using pp collision data at $s=8 \text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2015 , 91,	4.9	196
1337	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s}=7 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 17	4.2	194
1336	Luminosity determination in collisions at $\sqrt{s}=8 \text{ TeV}$ using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
1335	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at $\sqrt{s}=7 \text{ TeV}$ and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 6	4.2	185
1334	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
1333	Forward-backward asymmetry in top-quark production in pp collisions at $\sqrt{s}=1.96 \text{ TeV}$. <i>Physical Review Letters</i> , 2008 , 101, 202001	7.4	177
1332	Measurement of Higgs boson production in the diphoton decay channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4.9	175
1331	Evidence for a particle produced in association with weak bosons and decaying to a bottom-antibottom quark pair in higgs boson searches at the tevatron. <i>Physical Review Letters</i> , 2012 , 109, 071804	7.4	175

1330	Observation of electroweak single top-quark production. <i>Physical Review Letters</i> , 2009 , 103, 092002	7.4	174
1329	Measurements of inclusive W and Z cross sections in 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
1328	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
1327	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 3130	4.2	166
1326	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
1325	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
1324	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
1323	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
1322	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941	4.2	160
1321	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	160
1320	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
1319	Analysis of the quantum numbers J^{PC} of the $X(3872)$ particle. <i>Physical Review Letters</i> , 2007 , 98, 132002	7.4	159
1318	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
1317	Measurement with the ATLAS detector of multi-particle azimuthal correlations in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 60-78	4.2	153
1316	Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
1315	Search for an additional, heavy Higgs boson in the $H \rightarrow \tau\tau$ decay channel at $\sqrt{s} = 7$ TeV in pp collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 45	4.2	152
1314	Measurement of the Higgs boson mass from the $H \rightarrow \tau\tau$ and $H \rightarrow ZZ^* \rightarrow 4\ell$ channels in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4.9	151
1313	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 581	4.2	148

1312	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
1311	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
1310	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
1309	Measurement of the B_s^0 - B_s^0 oscillation frequency. <i>Physical Review Letters</i> , 2006 , 97, 062003	7.4	133
1308	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
1307	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
1306	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
1305	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
1304	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
1303	Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 106, 131802	7.4	125
1302	Measurement of prompt charm meson production cross sections in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2003 , 91, 241804	7.4	125
1301	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	124
1300	Charged-particle multiplicities in pp interactions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 688, 21-42	4.2	121
1299	Combined measurements of Higgs boson production and decay using up to 80 fb ⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV collected with the ATLAS experiment. <i>Physical Review D</i> , 2020 , 101,	4.9	121
1298	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
1297	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
1296	Search for scalar diphoton resonances in the mass range 65-600 GeV with the ATLAS detector in pp collision data at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2014 , 113, 171801	7.4	117
1295	Search for dark matter in events with a hadronically decaying W or Z boson and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2014 , 112, 041802	7.4	117

1294	Measurement of the inclusive $W\Xi$ and Z/Ξ cross sections in the e and Ξ decay channels in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	117
1293	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
1292	Measurement of hard double-parton interactions in $W(\rightarrow\Xi)+2$ -jet events at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , 2013 , 15, 033038	2.9	116
1291	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4.9	115
1290	Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. <i>Physical Review Letters</i> , 2014 , 112,	7.4	113
1289	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
1288	Search for new resonances in $W\Xi$ and $Z\Xi$ final states in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 738, 428-447	4.2	112
1287	Search for charged Higgs bosons decaying via $H\Xi \rightarrow \Xi n$ (\overline{t}) events using pp collision data at ($\sqrt{s}=7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
1286	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	112
1285	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
1284	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
1283	Measurement of inclusive jet charged-particle fragmentation functions in Pb+Pb collisions at $s_{NN}=2.76$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 320-342	4.2	109
1282	Measurement of event-plane correlations in $s_{NN}=2.76$ TeV lead-lead collisions with the ATLAS detector. <i>Physical Review C</i> , 2014 , 90,	2.7	109
1281	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 186-203	4.2	108
1280	A search for new physics in dijet mass and angular distributions in pp collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. <i>New Journal of Physics</i> , 2011 , 13, 053044	2.9	108
1279	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109	4.2	107
1278	Measurement of inclusive jet and dijet production in pp collisions at $s=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	107
1277	Measurement of the total cross section from elastic scattering in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Nuclear Physics B</i> , 2014 , 889, 486-548	2.8	105

1276	Invariant mass distribution of jet pairs produced in association with a W boson in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 171801	7.4	105
1275	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
1274	Search for new phenomena in dijet mass and angular distributions from 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 , 754, 302-322	4.2	104
1273	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
1272	Search for doubly charged Higgs bosons in like-sign dilepton final states at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
1271	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
1270	Combination of the top-quark mass measurements from the Tevatron collider. <i>Physical Review D</i> , 2012 , 86,	4.9	104
1269	Measurement of the dipion mass spectrum in decays. <i>Physical Review Letters</i> , 2006 , 96, 102002	7.4	104
1268	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
1267	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4.7 fb ⁻¹ of $\sqrt{s}=7$ TeV proton-proton collision data. <i>Physical Review D</i> , 2013 , 87,	4.9	101
1266	Search for charged Higgs bosons from top quark decays in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 042003	7.4	101
1265	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
1264	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
1263	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
1262	Determination of the strange-quark density of the proton from ATLAS measurements of the W \rightarrow l and Z \rightarrow ll cross sections. <i>Physical Review Letters</i> , 2012 , 109, 012001	7.4	98
1261	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
1260	Measurement of the centrality dependence of J/ψ yields and observation of Z production in lead-lead collisions with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 697, 294-312	4.2	97
1259	First measurements of inclusive W and Z cross sections from run II of the Fermilab Tevatron collider. <i>Physical Review Letters</i> , 2005 , 94, 091803	7.4	97

1258	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
1257	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. <i>Physical Review D</i> , 2013 , 87,	4.9	96
1256	Observation of the baryonic flavor-changing neutral current decay $B(0) \rightarrow \mu\mu$ <i>Physical Review Letters</i> , 2011 , 107, 201802	7.4	95
1255	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
1254	Observation of the Heavy Baryons Sigma b and Sigma b*. <i>Physical Review Letters</i> , 2007 , 99, 202001	7.4	93
1253	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
1252	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
1251	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
1250	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
1249	Evidence for D_0 - $D(0)$ mixing using the CDF II detector. <i>Physical Review Letters</i> , 2008 , 100, 121802	7.4	91
1248	Search for Higgs boson pair production in the $B\bar{b}$ final state using pp collision data at $\sqrt{s}=8$ TeV from the ATLAS detector. <i>Physical Review Letters</i> , 2015 , 114, 081802	7.4	90
1247	Observation of the decay $B_{c+/-} \rightarrow J/\psi p_i +/ -$ and measurement of the $B_{c+/-}$ mass. <i>Physical Review Letters</i> , 2008 , 100, 182002	7.4	90
1246	Search for new phenomena in dijet events using 37 fb of pp collision data collected at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017 , 96,	4.9	89
1245	Measurements of the angular distributions in the decays $B \rightarrow K^{(*)} \tau^+ \tau^-$ at CDF. <i>Physical Review Letters</i> , 2012 , 108, 081807	7.4	89
1244	Measurement of the inclusive jet cross section using the kT algorithm in pp collisions at $\sqrt{s}=1.96$ TeV with the CDF II detector. <i>Physical Review D</i> , 2007 , 75,	4.9	89
1243	Search for a CP-odd Higgs boson decaying to Zh in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 744, 163-183	4.2	88
1242	Search for doubly charged Higgs bosons decaying to dileptons in pp collisions at square root of $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 221802	7.4	88
1241	Searches for Higgs boson pair production in the $hh \rightarrow b\bar{b} \mu\mu W^*$, $B\bar{b}$, $b\bar{b}b\bar{b}$ channels with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	87

1240	Measurement of long-range pseudorapidity correlations and azimuthal harmonics in $\sqrt{s_{NN}}=5.02$ TeV proton-lead collisions with the ATLAS detector. <i>Physical Review C</i> , 2014 , 90,	2.7	87
1239	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
1238	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
1237	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ(\gamma) \rightarrow 4\ell$ 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
1236	Observation and measurement of Higgs boson decays to WW* with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	86
1235	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
1234	Search for high-mass resonances decaying to dimuons at CDF. <i>Physical Review Letters</i> , 2009 , 102, 091805	7.4	83
1233	Search for high-mass dilepton resonances using 139 fb ⁻¹ of pp collision data collected at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 68-87	4.2	82
1232	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4.2	82
1231	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	4.2	82
1230	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
1229	Observation and mass measurement of the baryon Ξ_{bb}^- . <i>Physical Review Letters</i> , 2007 , 99, 052002	7.4	80
1228	Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb ⁻¹ of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	80
1227	Search for dark matter in events with a Z boson and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4.9	79
1226	Measurement of the Z/ γ boson transverse momentum distribution in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79
1225	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78
1224	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
1223	Measurement of bottom-quark hadron masses in exclusive J/psi decays with the CDF detector. <i>Physical Review Letters</i> , 2006 , 96, 202001	7.4	78

1222	Centrality and rapidity dependence of inclusive jet production in $\sqrt{s}=5.02$ TeV proton-lead collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 748, 392-413	4.2	77
1221	Observation of a new $\Upsilon(b)$ state in radiative transitions to $\Upsilon(1S)$ and $\Upsilon(2S)$ at ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 152001	7.4	77
1220	Measurement of the difference in CP-violating asymmetries in $D(0) \rightarrow K(+)\bar{K}(-)$ and $D(0) \rightarrow \bar{K}(+)\bar{K}(0)$ decays at CDF. <i>Physical Review Letters</i> , 2012 , 109, 111801	7.4	77
1219	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $(\sqrt{s}) = 8$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	76
1218	Search for a light charged Higgs boson in the decay channel $[Formula: see text]$ in $[Formula: see text]$ events using collisions at $[Formula: see text]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465	4.2	76
1217	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
1216	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
1215	Precise measurement of the W-boson mass with the CDF II detector. <i>Physical Review Letters</i> , 2012 , 108, 151803	7.4	74
1214	Observation of single top quark production and measurement of $ V_{tb} $ with CDF. <i>Physical Review D</i> , 2010 , 82,	4.9	74
1213	Search for dilepton resonances in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 107, 272002	7.4	74
1212	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
1211	Search for production of $[Formula: see text]$ resonances decaying to a lepton, neutrino and jets in $[Formula: see text]$ collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 209	4.2	73
1210	Higgs boson studies at the Tevatron. <i>Physical Review D</i> , 2013 , 88,	4.9	73
1209	Evidence for electroweak production of $W\bar{W}\bar{W}jj$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2014 , 113, 141803	7.4	73
1208	Observation of orbitally excited B(s) mesons. <i>Physical Review Letters</i> , 2008 , 100, 082001	7.4	73
1207	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
1206	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
1205	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

1204	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
1203	Precision measurement of the $X(3872)$ mass in $J/\psi \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2009 , 103, 152001	7.4	71
1202	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ mbx{~TeV}). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
1201	Search for direct top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions using 4.7 fb(-10 of ATLAS data. <i>Physical Review Letters</i> , 2012 , 109, 211803	7.4	70
1200	Measurement of $W+W\ell$ production in pp collisions at $s=7$ TeV with the ATLAS detector and limits on anomalous WWZ and WW ℓ couplings. <i>Physical Review D</i> , 2013 , 87,	4.9	70
1199	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
1198	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821	4.2	70
1197	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
1196	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
1195	Measurement of upsilon production in 7 TeV pp collisions at ATLAS. <i>Physical Review D</i> , 2013 , 87,	4.9	68
1194	Measurement of the $t\bar{t}$ production cross section in $pp \rightarrow t\bar{t}$ 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
1193	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	67
1192	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
1191	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
1190	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
1189	Observation of exclusive electron-positron production in hadron-hadron collisions. <i>Physical Review Letters</i> , 2007 , 98, 112001	7.4	67
1188	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
1187	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-39	5.4	66

1186	Search for Higgs boson decays to a photon and a Z boson in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 732, 8-27	4.2	66
1185	Measurement of the Bc+ meson lifetime using the decay mode Bc+ --> J/Psie+nue. <i>Physical Review Letters</i> , 2006 , 97, 012002	7.4	66
1184	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
1183	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	65
1182	Search for new physics in high-mass electron-positron events in pp[over] collisions at square root s = 1.96 TeV. <i>Physical Review Letters</i> , 2007 , 99, 171802	7.4	65
1181	Search for the (boverline{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
1180	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
1179	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
1178	Measurements of normalized differential cross sections for tt[bar] production in pp collisions at (s)=7 TeV using the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4.9	64
1177	Search for B(s)(0) -> B[bar] and B(0) -> B[bar] decays with CDF II. <i>Physical Review Letters</i> , 2011 , 107, 191801	7.4	64
1176	Inclusive search for squark and gluino production in pp[over] collisions at sqrt{s}=1.96 TeV. <i>Physical Review Letters</i> , 2009 , 102, 121801	7.4	64
1175	Measurement of W[bar] and Z-boson production cross sections in pp collisions at s=13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 601-621	4.2	64
1174	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
1173	Search for dark matter in events with one jet and missing transverse energy in pp[bar] collisions at [math]\sqrt{s}=1.96 TeV. <i>Physical Review Letters</i> , 2012 , 108, 211804	7.4	63
1172	Measurement of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 692, 232-239	4.2	63
1171	Search for Z' --> e+ e- using dielectron mass and angular distribution. <i>Physical Review Letters</i> , 2006 , 96, 211801	7.4	63
1170	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at s=8 TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 91,	4.9	62
1169	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

1168	Observation of exclusive dijet production at the Fermilab Tevatron $p\bar{p}$ collider. <i>Physical Review D</i> , 2008 , 77,	4.9	62
1167	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
1166	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
1165	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
1164	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
1163	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
1162	Measurement of inclusive jet cross sections in $Z/\gamma^*(\rightarrow e^+e^-) + \text{jets}$ production in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 102001	7.4	60
1161	Measurement of the W -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
1160	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
1159	Measurement of the cross section for W -boson production in association with jets in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	59
1158	Measurement of the $t\bar{t}$ 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
1157	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	59
1156	Measurement of the $W \rightarrow \ell\bar{\nu}$ and $Z/\gamma^* \rightarrow \ell\bar{\nu}$ 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
1155	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
1154	A search for (\overline{t}) resonances using lepton-plus-jets events in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	57
1153	Measurement of CP-violating asymmetries in $D^0 \rightarrow \pi^+\pi^-$ and $D^0 \rightarrow K^+K^-$ decays at CDF. <i>Physical Review D</i> , 2012 , 85,	4.9	57
1152	Search for a supersymmetric partner to the top quark in final states with jets and missing transverse momentum at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 109, 211802	7.4	57
1151	Search for $B^0_s \rightarrow \mu^+\mu^-$ and $B^0_d \rightarrow \mu^+\mu^-$ decays in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 032001	7.4	57

1150	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ 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
1149	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
1148	Precision measurement and interpretation of inclusive τ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4-2	56
1147	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
1146	Search for long-lived massive charged particles in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2009 , 103, 021802	7-4	56
1145	Search for exclusive $\gamma\gamma$ production in Hadron-Hadron collisions. <i>Physical Review Letters</i> , 2007 , 99, 242002	7-4	56
1144	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 199	4-2	55
1143	Measurement of the high-mass Drell-Yan differential cross-section 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> , 2013 , 725, 223-242	4-2	55
1142	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
1141	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
1140	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
1139	Search for $H \rightarrow \tau\tau$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 740, 222-242	4-2	55
1138	Fiducial and differential cross sections of Higgs boson production measured in the four-lepton decay channel in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 738, 234-253	4-2	55
1137	Search for the decay $H \rightarrow \tau\tau$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 387-407	4-2	55
1136	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 142-159	4-2	55
1135	Measurement of the transverse momentum distribution of $H \rightarrow \tau\tau$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 415-434	4-2	55
1134	Measurement of the W^+W^- production cross section and search for anomalous $WW\gamma$ and WWZ couplings in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 104, 201801	7-4	55
1133	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

1132	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using dilepton events. <i>Physical Review Letters</i> , 2004 , 93, 142001	7.4	55
1131	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
1130	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $s=7$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 137-157	4.2	54
1129	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	54
1128	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $(\sqrt{s}) = 8$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	54
1127	Measurement of $W \mp Z$ production in proton-proton collisions at $(\sqrt{s}=7\text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	54
1126	Measurement of the ratio $\{t\bar{t}\}/\{Z/\{^*}\}\rightarrow\{ll\}$ and precise extraction of the $t\bar{t}$ cross section. <i>Physical Review Letters</i> , 2010 , 105, 012001	7.4	54
1125	Search for exclusive Z-boson production and observation of high-mass $pp[\over]\rightarrow p\gamma\gamma p[\over]\rightarrow p\{l;+\};\{-\}p[\over]$ events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 222002	7.4	54
1124	Search for supersymmetry in pp collisions at $s=7$ 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
1123	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
1122	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
1121	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
1120	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
1119	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $s=7$ TeV pp collisions using 1 fb of ATLAS data. <i>Physical Review D</i> , 2012 , 85,	4.9	53
1118	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
1117	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $(\sqrt{s}=7\text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	53
1116	Search for quark contact interactions in dijet angular distributions in pp collisions at $s=7$ TeV measured with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 694, 327-345	4.2	53
1115	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

1114	Search for new phenomena in high-mass diphoton final states using 37 fb ⁻¹ of proton-proton collisions collected at s=13TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 775, 105-125	4.2	52
1113	Search for direct top-squark pair production in final states with two leptons in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	52
1112	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
1111	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
1110	Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at s=8 TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	52
1109	Search for WZ resonances in the fully leptonic channel using pp collisions at s=8 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 737, 223-243	4.2	52
1108	Search for the Standard Model Higgs boson decay to $\mu\mu$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 738, 68-86	4.2	52
1107	Observation of an excited Bc(Ξ) meson state with the ATLAS detector. <i>Physical Review Letters</i> , 2014 , 113, 212004	7.4	52
1106	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3157	4.2	52
1105	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
1104	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
1103	Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 1-19	4.2	52
1102	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
1101	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
1100	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
1099	Search for scalar leptoquarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. <i>New Journal of Physics</i> , 2016 , 18, 093016	2.9	51
1098	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
1097	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

1096	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
1095	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
1094	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	50
1093	Evidence for the ($H \rightarrow \overline{b}b$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
1092	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 208	4.2	50
1091	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	50
1090	Search for the production of narrow $t\overline{b}$ 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
1089	Search for heavy bottomlike quarks decaying to an electron or muon and jets in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 141803	7.4	50
1088	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
1087	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
1086	Measurement of the lifetime difference between B_s mass eigenstates. <i>Physical Review Letters</i> , 2005 , 94, 101803	7.4	50
1085	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
1084	Measurement of charged-particle spectra in Pb+Pb collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	49
1083	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
1082	Measurements of W and Z production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. <i>Physical Review D</i> , 2013 , 87,	4.9	49
1081	Search for resonances in diphoton events at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	49
1080	Measurement of spin correlation in top-antitop quark events and search for top squark pair production in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physical Review Letters</i> , 2015 , 114, 142001	7.4	48
1079	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

1078	Search for supersymmetry at $\sqrt{s} = 7$ 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
1077	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
1076	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
1075	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
1074	Search for high-mass new phenomena in the dilepton final state using 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> , 2016 , 761, 372-392	4.2	48
1073	Measurement of the prompt Z/γ pair production cross-section in collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 76	4.2	47
1072	Search for heavy resonances decaying into WZ in the final state in collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 24	4.2	47
1071	Measurements of WZ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous gauge boson self-couplings. <i>Physical Review D</i> , 2016 , 93,	4.9	47
1070	Measurement of the tt production cross-section using $e\bar{e}$ 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
1069	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	47
1068	Comprehensive measurements of t-channel single top-quark production cross sections at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4.9	47
1067	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. <i>Physical Review D</i> , 2014 , 89,	4.9	47
1066	Measurement of $\sigma(\chi_{c2} \rightarrow J/\psi \gamma) / \sigma(\chi_{c1} \rightarrow J/\psi \gamma)$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 232001	7.4	47
1065	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
1064	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the WZ final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 263	4.2	46
1063	Search for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	46
1062	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3023	4.2	46
1061	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

1060	Measurement of branching ratio and B_s^0 lifetime in the decay $B_s^0 \rightarrow J/\psi(980)$ at CDF. <i>Physical Review D</i> , 2011 , 84,	4.9	46
1059	Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 172002	7.4	46
1058	Search for new phenomena in tt events with large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 041805	7.4	46
1057	Measurement of the bottom-strange meson mixing phase in the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 171802	7.4	46
1056	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
1055	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
1054	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. <i>Physical Review Letters</i> , 2019 , 122, 231801	7.4	45
1053	Measurement of ZZ production in pp collisions at ($\sqrt{s}=7$) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
1052	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at [Formula: see text]TeV in 2010. <i>European Physical Journal C</i> , 2014 , 74, 3034	4.2	45
1051	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ($\sqrt{s}=7$;mathrm{TeV}) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
1050	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
1049	Measurement of the azimuthal angle dependence of inclusive jet yields in Pb+Pb collisions at ($\sqrt{s_{NN}}=2.76$ TeV) with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 111, 152301	7.4	45
1048	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
1047	Measurement of the B^+ production cross section in pp collisions at $s=1960$ GeV. <i>Physical Review D</i> , 2007 , 75,	4.9	45
1046	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
1045	Search for pair-produced long-lived neutral particles decaying to jets in the ATLAS hadronic calorimeter in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 15-34	4.2	44
1044	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
1043	Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $s=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	44

1042	Charged-particle distributions in $\sqrt{s}=13$ 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}	44
1041	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 154	4.2 44
1040	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
1039	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $(\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2 44
1038	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
1037	Search for the Standard Model Higgs boson in the $H \rightarrow WW \rightarrow \ell\ell$ decay mode with 4.7 fb ⁻¹ of ATLAS data at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 62-81	4.2 44
1036	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
1035	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s}=900$ GeV and 7 TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9 44
1034	Global search for new physics with 2.0 fb ⁻¹ at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9 44
1033	First run II measurement of the W boson mass at the Fermilab Tevatron. <i>Physical Review D</i> , 2008 , 77,	4.9 44
1032	Measurement of the single-top-quark production cross section at CDF. <i>Physical Review Letters</i> , 2008 , 101, 252001	7.4 44
1031	Measurement of the forward-backward charge asymmetry of electron-positron pairs in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9 44
1030	Search for charged Higgs bosons produced in association with a top quark and decaying via $H_{\pm} \rightarrow \ell\bar{\nu}$ using pp collision data recorded at $\sqrt{s}=13$ TeV by the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 555-574	4.2 44
1029	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
1028	Measurement of the cross section for top-quark pair production in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4 43
1027	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb ⁻¹ of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 28-46	4.2 43
1026	Measurement of particle production and inclusive differential cross sections in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9 43
1025	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2 43

1024	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4.2	42
1023	Search for $W \rightarrow tb$ in the lepton plus jets final state in proton-proton collisions at a centre-of-mass energy of $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 235-255	4.2	42
1022	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
1021	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
1020	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046	4.2	42
1019	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s}=7$ TeV using 35 pb ⁻¹ of ATLAS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 706, 150-167	4.2	42
1018	Measurements of the properties of $\Lambda(2595)$, $\Lambda(2625)$, $\Lambda(2455)$, and $\Lambda(2520)$ baryons. <i>Physical Review D</i> , 2011 , 84,	4.9	42
1017	Measurement of tt spin correlation in pp collisions using the CDF II detector at the Tevatron. <i>Physical Review D</i> , 2011 , 83,	4.9	42
1016	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
1015	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
1014	Measurement of the top quark mass in the $tt \rightarrow$ dilepton channel from $\sqrt{s}=8$ TeV ATLAS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 350-371	4.2	42
1013	Search for heavy resonances in the and final states using proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4.2	41
1012	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
1011	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2883	4.2	41
1010	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
1009	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
1008	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ($\sqrt{s}=7 \sim m_{\text{box}}\{\text{TeV}\}$) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41
1007	Observation of the Λ baryon and measurement of the properties of the Λ and Λ baryons. <i>Physical Review D</i> , 2009 , 80,	4.9	41

1006	Measurements of direct CP violating asymmetries in charmless decays of strange bottom mesons and bottom baryons. <i>Physical Review Letters</i> , 2011 , 106, 181802	7.4	4 ¹
1005	Study of jets produced in association with a W boson in pp collisions at s=7 TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	4 ¹
1004	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	4 ¹
1003	Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in s=13 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4.9	4 ¹
1002	Measurement of the Higgs boson mass in the H → ZZ* → 4ℓ and H → ℓℓ channels with s=13 TeV pp collisions using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 345-366	4.2	4 ¹
1001	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at (sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	4 ⁰
1000	Observation of s-channel production of single top quarks at the Tevatron. <i>Physical Review Letters</i> , 2014 , 112, 231803	7.4	4 ⁰
999	Search for first generation scalar leptoquarks in pp collisions at s=7 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 158-176	4.2	4 ⁰
998	Search for Higgs bosons decaying to aa in the ℓℓ final state in pp collisions at s=8 TeV with the ATLAS experiment. <i>Physical Review D</i> , 2015 , 92,	4.9	4 ⁰
997	Search for pair production of a new heavy quark that decays into a W boson and a light quark in pp collisions at s=8 TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	4 ⁰
996	Study of orbitally excited B mesons and evidence for a new B _s resonance. <i>Physical Review D</i> , 2014 , 90,	4.9	4 ⁰
995	Measurement of top quark polarization in top-antitop events from proton-proton collisions at sqrt{s}=7 TeV using the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 111, 232002	7.4	4 ⁰
994	Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at s=7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 428-446	4.2	4 ⁰
993	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	4 ⁰
992	Observation of new charmless decays of bottom hadrons. <i>Physical Review Letters</i> , 2009 , 103, 031801	7.4	4 ⁰
991	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
990	Search for supersymmetry at (sqrt{s}) = 8 TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	39
989	Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at s=7TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 280-298	4.2	39

988	Measurement of the inclusive isolated prompt photons cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector using 4.6 fb ⁻¹ . <i>Physical Review D</i> , 2014 , 89,	4.9	39
987	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
986	Combination of CDF and D0 W-Boson mass measurements. <i>Physical Review D</i> , 2013 , 88,	4.9	39
985	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
984	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
983	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
982	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
981	Search for tt resonances in the lepton plus jets final state with ATLAS using 4.7 fb ⁻¹ of pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	38
980	Search for supersymmetry in events with four or more leptons in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4.9	38
979	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
978	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
977	First measurement of the angular coefficients of Drell-Yan e(+)e(-) pairs in the Z mass region from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 241801	7.4	38
976	Measurement of B(t --> Wb)/B(t--> Wq) at the collider detector at fermilab. <i>Physical Review Letters</i> , 2005 , 95, 102002	7.4	38
975	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
974	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
973	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ($\sqrt{s} = 13$) (text {TeV}). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	37
972	Measurement of the production of a W boson in association with a charm quark in pp collisions at ($\sqrt{s} = 7$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	37
971	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 $\sqrt{s}=7$ 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

970	Search for the lepton flavor violating decay $Z \rightarrow e\mu$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4-9	37
969	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+\tau^-$ decay mode in ($\sqrt{s} = 7, \text{TeV}$) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	37
968	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
967	Search for massive colored scalars in four-jet final states in ($\sqrt{s}=7 \sim \text{TeV}$) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4-2	37
966	Production of (η, η') mesons in pp collisions at 1.96 TeV. <i>Physical Review D</i> , 2009 , 80,	4-9	37
965	Measurement of the forward-backward asymmetry in the $B \rightarrow K^*(\eta, \eta')$ decay and first observation of the $B(s)0 \rightarrow \eta(\eta')$ decay. <i>Physical Review Letters</i> , 2011 , 106, 161801	7-4	37
964	Measurements of the angular distributions of muons from η decays in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 151802	7-4	37
963	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
962	Measurement of the top quark mass using template methods on dilepton events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4-9	37
961	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
960	First measurement of the W-boson mass in run II of the Tevatron. <i>Physical Review Letters</i> , 2007 , 99, 151801	4	37
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955	Precision top-quark mass measurement at CDF. <i>Physical Review Letters</i> , 2012 , 109, 152003	7-4	36
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947	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
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945	Search for FCNC single top-quark production at $s=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 351-369	4.2	35
944	Search for long-lived, multi-charged particles in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 305-323	4.2	35
943	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
942	Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in 8 TeV pp collisions at the LHC using the ATLAS detector. <i>Physical Review D</i> , 2014 , 90,	4.9	35
941	Measurement of the isolated diphoton cross section in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	35
940	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
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938	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7, 8$ TeV in the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2013 , 15, 043007	2.9	35
937	Inclusive search for standard model Higgs boson production in the WW decay channel using the CDF II detector. <i>Physical Review Letters</i> , 2010 , 104, 061803	7.4	35
936	Measurement of the production cross section for W-bosons in association with jets in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 325-345	4.2	35
935	First search for multijet resonances in $\sqrt{s} = 1.96$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 107, 042001	7.4	35

934	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
933	Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying W bosons. <i>Physical Review Letters</i> , 2012 , 109, 032001	7-4	35
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931	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
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928	Measurement of the transverse momentum distribution of W bosons in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4-9	34
927	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	34
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924	Top quark mass measurement in the lepton + jets channel using a matrix element method and in situ jet energy calibration. <i>Physical Review Letters</i> , 2010 , 105, 252001	7-4	34
923	Publisher's Note: Search for $B_s \rightarrow \mu\mu$ and $B_0 \rightarrow \mu\mu$ Decays with CDF II [Phys. Rev. Lett. 107, 191801 (2011)]. <i>Physical Review Letters</i> , 2011 , 107,	7-4	34
922	Combination of CDF and D0 measurements of the W boson helicity in top quark decays. <i>Physical Review D</i> , 2012 , 85,	4-9	34
921	Limits on the production of narrow $t\bar{t}$ resonances in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4-9	34
920	Measurement of the cross section for $t\bar{t}$ production in pp collisions using the kinematics of lepton+jets events. <i>Physical Review D</i> , 2005 , 72,	4-9	34
919	Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb of proton-proton collision data at $s=13$ 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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915	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $B\bar{b}$ 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
914	Search for new phenomena in photon+jet events collected in proton-proton collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 562-578	4.2	33
913	Measurement of the WW cross section in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 289-308	4.2	33
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910	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
909	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
908	Measurement of the W charge asymmetry in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 31-49	4.2	33
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903	Search for charged Higgs bosons in the $H^\pm \rightarrow tb$ 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
902	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
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897	First measurement of the b-jet cross section in events with a W boson in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 131801	7.4	32
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887	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
886	Measurement of the production and lepton charge asymmetry of [Formula: see text] bosons in Pb+Pb collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 23	4.2	31
885	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3134	4.2	31
884	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $(\sqrt{s} = 8)$ TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	31
883	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $(\sqrt{s} = 7 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	31
882	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $(\sqrt{s} = 7 \text{ TeV})$ proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
881	Inclusive search for same-sign dilepton signatures in pp collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	31

880	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	3 ¹
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878	Search for the decays $B_{(s)} \rightarrow e^+ \mu^-$ and $B_{(s)} \rightarrow e^+ e^-$ in CDF run II. <i>Physical Review Letters</i> , 2009 , 102, 201801	7.4	3 ¹
877	Search for $t\bar{b}$ resonances in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 109, 081801	7.4	3 ¹
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870	Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \mu\mu$ using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	3 ⁰
869	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	3 ⁰
868	Search for third generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	3 ⁰
867	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	3 ⁰
866	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	3 ⁰
865	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	3 ⁰
864	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ($\sqrt{s}=900$) GeV and ($\sqrt{s}=7$) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	3 ⁰
863	Measurement of W-boson polarization in Top-Quark Decay in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 042002	7.4	3 ⁰

862	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
861	Search for high mass dilepton resonances in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 700, 163-180	4.2	30
860	Observation of exclusive τ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 081801	7.4	30
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858	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
857	Model-independent and quasi-model-independent search for new physics at CDF. <i>Physical Review D</i> , 2008 , 78,	4.9	30
856	Search for heavy top-like quarks using lepton plus jets events in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2008 , 100, 161803	7.4	30
855	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
854	Measurement of the inclusive jet cross section in pp interactions at $\sqrt{s}=1.96$ TeV using a cone-based jet algorithm. <i>Physical Review D</i> , 2006 , 74,	4.9	30
853	Measurement of $W\gamma$ and $Z\gamma$ production in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 041803	7.4	30
852	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
851	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
850	Measurement of total and differential $W + W \tau$ production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	30
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847	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
846	Measurements of $Z\tau$ and $Z\tau$ production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	29
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843	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
842	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
841	Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	29
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837	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
836	Measurement of the leptonic asymmetry in tt events produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	29
835	Measurement of the ZZ production cross section and limits on anomalous neutral triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 041804	7.4	29
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832	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
831	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 250	4.2	28
830	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 295	4.2	28
829	Search for single top-quark production via flavour-changing neutral currents at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 55	4.2	28
828	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
827	Measurement of the top pair production cross section in the dilepton decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	28

826	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 353-370	4.2	28
825	Search for a heavy top-like quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 261801	7.4	28
824	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
823	Search for high-mass resonances decaying to $\mu\mu$ in pp collisions at square root = 1.69 TeV. <i>Physical Review Letters</i> , 2006 , 96, 211802	7.4	28
822	A VLSI Processor for Fast Track Finding Based on Content Addressable Memories. <i>IEEE Transactions on Nuclear Science</i> , 2006 , 53, 2428-2433	1.7	28
821	Search for new particles leading to Z+jets final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	28
820	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using kinematic fitting of b-tagged lepton+jet events. <i>Physical Review D</i> , 2005 , 71,	4.9	28
819	Search for minimal supersymmetric standard model Higgs Bosons H^\pm and for a $[Formula: see text]$ boson in the $[Formula: see text]$ final state produced in collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 585	4.2	28
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817	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
816	Fiducial, total and differential cross-section measurements of γ -channel single top-quark production in collisions at $\sqrt{s}=8$ TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 531	4.2	27
815	Observation of the Y (4140) structure in the J/ψ mass spectrum in $B_c \rightarrow J/\psi K_c$ decays. <i>Modern Physics Letters A</i> , 2017 , 32, 1750139	1.3	27
814	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
813	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
812	Measurement of the exclusive $B_c \rightarrow \mu\mu$ process 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 , 777, 303-323	4.2	27
811	Search for diboson resonances with boson-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> , 2018 , 777, 91-113	4.2	27
810	Combination of searches for WW, WZ, and ZZ resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 755, 285-305	4.2	27
809	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 299-317	4.2	27

808	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
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805	Search for pair production of supersymmetric top quarks in dilepton events from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 104, 251801	7.4	27
804	Search for a standard model Higgs boson in the $H \rightarrow ZZ \rightarrow (\tau^+ \tau^-) (\mu^+ \mu^-)$ decay channel with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 107, 221802	7.4	27
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800	Study of the rare decays of [Formula: see text] and [Formula: see text] into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 513	4.2	27
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798	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
797	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
796	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
795	Centrality, rapidity, and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV measured with the ATLAS detector. <i>Physical Review C</i> , 2016 , 93,	2.7	26
794	Measurement of $t\bar{t}$ and $t\bar{t}2$ production with (\sqrt{s}) = 7 TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
793	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
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791	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

790	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
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786	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
785	Precision measurement of the top-quark mass from dilepton events at CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	26
784	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
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772	Search for pair production of strongly interacting particles decaying to pairs of jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 031802	7-4	25
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770	Search for the standard model Higgs boson decaying to a bb pair in events with two oppositely charged leptons using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111803	7-4	25
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742	Search for single production of vector-like quarks decaying into in collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 442	4.2	24
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735	Measurements of direct CP-violating asymmetries in charmless decays of bottom baryons. <i>Physical Review Letters</i> , 2014 , 113, 242001	7-4	23
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727	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
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725	Search for New T' particles in final states with large jet multiplicities and missing transverse energy in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 191803	7-4	23
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714	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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688	Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional -jets in collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 11	4.2	21
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678	Top-quark mass measurement from dilepton events at CDF II. <i>Physical Review Letters</i> , 2006 , 96, 152002	7.4	21
677	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
676	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
675	Search for second-generation scalar leptoquarks in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	21
674	Study of hard double-parton scattering in four-jet events in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
673	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
672	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
671	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
670	$ZZ \rightarrow \mu\mu + \tau\tau$ cross-section measurements and search for anomalous triple gauge couplings in 13 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	21
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667	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
666	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
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661	Evidence of $W\gamma$ Production in pp Collisions at $\sqrt{s}=8$ TeV and Limits on Anomalous Quartic Gauge Couplings with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 115, 031802	7.4	20
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658	Observation of the production of a W boson in association with a single charm quark. <i>Physical Review Letters</i> , 2013 , 110, 071801	7.4	20
657	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
656	Study of the associated production of photons and b-quark jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2010 , 81,	4.9	20
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644	Performance of top-quark and (varvec{W})-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	19
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632	Search for new dielectron resonances and Randall-Sundrum gravitons at the collider detector at Fermilab. <i>Physical Review Letters</i> , 2011 , 107, 051801	7.4	19
631	Measurement of $D^*\pi$ meson production in jets from pp collisions at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	19
630	Measurement of $\sigma(\Lambda_b^0)/\sigma(B^0) \times B(\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-)/B(B^0 \rightarrow D^+ \pi^-)$ in pp collisions at square root $\sqrt{s}=1.96\text{TeV}$. <i>Physical Review Letters</i> , 2007 , 98, 122002	7.4	19
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623	Measurement of jet charge in dijet events from $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	18
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613	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
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559	Search for scalar top quark production in ($\overline{p}p$) collisions at ($\sqrt{s}=1.96$; TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	16
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553	Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ decays with the full CDF Run II data set. <i>Physical Review D</i> , 2013 , 87,	4.9	16
552	Exclusion of exotic top-like quarks with $2/3$ electric charge using jet-charge tagging in single-lepton $t\bar{t}$ events at CDF. <i>Physical Review D</i> , 2013 , 88,	4.9	16
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418	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
417	Measurements of $t\bar{t}$ 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
416	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
415	Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	12
414	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 706, 276-294	4.2	12
413	Measurement of the cross-section for electroweak production of dijets 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> , 2017 , 775, 206-228	4.2	12

4 ¹²	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
4 ¹¹	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
4 ¹⁰	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \mu\mu$ in ($\sqrt{s}=13$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
4 ⁰⁹	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
4 ⁰⁸	Search for a multi-Higgs-boson cascade in $W+W\bar{b}b$ events with the ATLAS detector in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	12
4 ⁰⁷	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 122-141	4.2	12
4 ⁰⁶	Search for a standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \mu\mu$ decay channel using 4.7fb of $s=7$ 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
4 ⁰⁵	Measurement of the flavour composition of dijet events in pp collisions at ($\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
4 ⁰⁴	Updated search for the standard model Higgs boson in events with jets and missing transverse energy using the full CDF data set. <i>Physical Review D</i> , 2013 , 87,	4.9	12
4 ⁰³	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
4 ⁰²	Measurement of the fraction of tt production via gluon-gluon fusion in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	12
4 ⁰¹	Search for the standard model Higgs boson decaying to a bb pair in events with no charged leptons and large missing transverse energy using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111805	7.4	12
4 ⁰⁰	Search for a low-mass standard model Higgs boson in the $\mu\mu$ decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 181804	7.4	12
399	Search for resonant WZ production in the $WZ \rightarrow \mu\mu$ channel in ($s=7$) TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	12
398	Search for standard model Higgs bosons produced in association with W bosons. <i>Physical Review Letters</i> , 2008 , 100, 041801	7.4	12
397	Measurement of the top quark mass in pp collisions at $s=1.96$ TeV using the decay length technique. <i>Physical Review D</i> , 2007 , 75,	4.9	12
396	Measurement of the ratios of branching fractions $B(B_0^s \rightarrow D_s^- \pi^+ \pi^+ \pi^-)/B(B_0^s \rightarrow D^- \pi^+ \pi^+ \pi^-)$ and $B(B_0^s \rightarrow D_s^- \pi^+)/B(B_0^s \rightarrow D^- \pi^+)$. <i>Physical Review Letters</i> , 2007 , 98, 061802	7.4	12
395	The fast tracker processor for hadron collider triggers. <i>IEEE Transactions on Nuclear Science</i> , 2001 , 48, 575-580	1.7	12

394	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
393	Search for new resonances in events with one lepton and missing transverse momentum 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 , 762, 334-352	4.2	12
392	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
391	Search for flavor-changing neutral currents in top quark decays $t \rightarrow Hc$ and $t \rightarrow Hu$ in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	12
390	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2018 , 98,	2.7	12
389	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at ($\sqrt{s}=8$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	11
388	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 129	4.2	11
387	Measurement of the charge asymmetry in highly boosted top-quark pair production in $\sqrt{s}=8$ 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
386	Measurement of lepton differential distributions and the top quark mass in production in collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 804	4.2	11
385	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
384	Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017 , 96,	4.9	11
383	Study of W production in collisions at $\sqrt{s}=7$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , 2017 , 77, 646	4.2	11
382	Measurement of indirect CP-violating asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays at CDF. <i>Physical Review D</i> , 2014 , 90,	4.9	11
381	Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ in top-quark-pair decays using dilepton events and the full CDF Run II data set. <i>Physical Review Letters</i> , 2014 , 112, 221801	7.4	11
380	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
379	Search for high-mass resonances decaying into ZZ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	11
378	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
377	Measurement of the top-quark pair-production cross section in events with two leptons and bottom-quark jets using the full CDF data set. <i>Physical Review D</i> , 2013 , 88,	4.9	11

376	Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set. <i>Physical Review D</i> , 2013 , 88,	4.9	11
375	Measurement of W and Z production in proton-proton collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	11
374	Measurement of event shapes in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	11
373	Measurement of the $t\bar{t}$ cross section in pp collisions at $\sqrt{s} = 1.96$ TeV using dilepton events with a lepton plus track selection. <i>Physical Review D</i> , 2009 , 79,	4.9	11
372	Measurement of the $B(s)0$ lifetime in fully and partially reconstructed $B(s)0 \rightarrow D(s)(-)(?)X$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 272001	7.4	11
371	Search for a very light CP-odd Higgs boson in top quark decays from pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 031801	7.4	11
370	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
369	Measurements of the top-quark mass and the $t\bar{t}$ cross section in the hadronic b jets decay channel at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 192001	7.4	11
368	Search for a heavy particle decaying to a top quark and a light quark in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 211805	7.4	11
367	Search for production of resonant states in the photon-jet mass distribution using pp collisions at $\sqrt{s} = 7$ TeV collected by the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 211802	7.4	11
366	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
365	Direct measurement of the W Boson width in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 071801	7.4	11
364	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
363	Search for scalar bottom quarks from gluino decays in collisions at. <i>Physical Review Letters</i> , 2006 , 96, 171802	7.4	11
362	Hadron collider triggers with high-quality tracking at very high event rates. <i>IEEE Transactions on Nuclear Science</i> , 2004 , 51, 391-400	1.7	11
361	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
360	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
359	Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 520-537	4.2	11

358	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
357	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
356	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
355	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
354	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
353	Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $s=8$ 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
352	Measurement of the cross section for isolated-photon plus jet 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> , 2018 , 780, 578-602	4.2	10
351	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
350	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
349	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
348	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
347	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
346	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 765	4.2	10
345	Measurement of the single top quark production cross section and $ V_{tb} $ in events with one charged lepton, large missing transverse energy, and jets at CDF. <i>Physical Review Letters</i> , 2014 , 113, 261804	7.4	10
344	Measurement of the cross section of high transverse momentum $Z \rightarrow b\bar{b}$ production in proton-proton collisions at $s=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 738, 25-43	4.2	10
343	Study of top quark production and decays involving a tau lepton at CDF and limits on a charged Higgs boson contribution. <i>Physical Review D</i> , 2014 , 89,	4.9	10
342	Study of heavy-flavor quarks produced in association with top-quark pairs at $s=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2014 , 89,	4.9	10
341	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

340	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
339	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
338	Measurement of charged-particle event shape variables in inclusive (\sqrt{s})=7 TeV proton-proton interactions with the ATLAS detector. <i>Physical Review D</i> , 2013 , 88,	4.9	10
337	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
336	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
335	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
334	Measurement of the top pair production cross section in the lepton+jets channel using a jet flavor discriminant. <i>Physical Review D</i> , 2011 , 84,	4.9	10
333	Measurement of CP-violation asymmetries in $D^0 \rightarrow K_S^0 \pi^+ \pi^-$. <i>Physical Review D</i> , 2012 , 86,	4.9	10
332	Measurement of the top quark mass at CDF using the β neutrino χ^2 weighting template method on a lepton plus isolated track sample. <i>Physical Review D</i> , 2009 , 79,	4.9	10
331	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
330	Search for new physics in lepton+photon+X events with 929 pb $^{-1}$ of pp collisions at s =1.96 TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	10
329	Measurement of the mass difference $m(D_s^+) - m(D^+)$ at CDF II. <i>Physical Review D</i> , 2003 , 68,	4.9	10
328	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
327	Search for new phenomena in events with an energetic jet and missing transverse momentum in pp collisions at s =13 TeV with the ATLAS detector. <i>Physical Review D</i> , 2021 , 103,	4.9	10
326	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
325	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at s =13 TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	10
324	Search for R-parity-violating supersymmetric particles in multi-jet final states produced in pp 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
323	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9

322	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 $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4.9	9
321	Measurement of the $\sigma_{\text{t}\bar{\text{t}}}$ 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
320	Measurement of $\sin^2\theta_{\text{eff}}^{\text{lep}}$ using e^+e^- pairs from μ/Z bosons produced in pp collisions at a center-of-momentum energy of 1.96 TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	9
319	Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton-proton collisions at $\sqrt{s}=2.76$ TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 756, 10-28	4.2	9
318	Search for single χ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 171-189	4.2	9
317	Measurement of the ZZ production cross section in proton-proton collisions at ($\sqrt{s}=8$) TeV using the $ZZ \rightarrow \mu\mu^+\nu$ and ($ZZ \rightarrow \mu\mu^+\nu$) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
316	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
315	Measurement of the branching ratio $\mathcal{B}(B^0 \rightarrow \tau^+\tau^-)/\mathcal{B}(B^0 \rightarrow J/\psi)$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 63-80	4.2	9
314	First search for exotic Z Boson decays into photons and neutral pions in hadron collisions. <i>Physical Review Letters</i> , 2014 , 112, 111803	7.4	9
313	Search for s-channel single-top-quark production in events with missing energy plus jets in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 231805	7.4	9
312	Search for a Standard Model Higgs boson in the mass range 200-800 GeV in the $H \rightarrow ZZ \rightarrow \mu\mu q\bar{q}$ decay channel with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 70-88	4.2	9
311	Measurement of the mass difference between top and antitop quarks. <i>Physical Review D</i> , 2013 , 87,	4.9	9
310	Improved search for a Higgs boson produced in association with $Z \rightarrow l^+l^-$ in pp collisions $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 251802	7.4	9
309	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
308	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
307	First measurement of the fraction of top-quark pair production through gluon-gluon fusion. <i>Physical Review D</i> , 2008 , 78,	4.9	9
306	Measurement of b-jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 78,	4.9	9
305	Two-particle momentum correlations in jets produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	9

304	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
303	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
302	A search for $t \rightarrow \bar{q}$ in tt production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 172-178	4.2	9
301	Search for the Higgs boson decays $H \rightarrow ee$ and $H \rightarrow e\bar{\nu}$ 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
300	A search for the ZH 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
299	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
298	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
297	Search for squarks and gluinos in final states with hadronically decaying leptons, jets, and missing transverse momentum using pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	9
296	Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark Production in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 121, 152002	7.4	9
295	Measurement of W boson angular distributions in events with high transverse momentum jets at $s=8$ 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
294	Measurement of VH , ($\text{H} \rightarrow \overline{b}b$) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
293	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
292	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
291	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
290	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
289	Measurement of the mass difference between top and anti-top quarks in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 363-379	4.2	8
288	A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at $s=7$ TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 221-240	4.2	8
287	Search for contact interactions in dilepton events from pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 40-58	4.2	8

286	Measurement of splitting scales in \rightarrow events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4.2	8
285	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
284	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
283	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 158	4.2	8
282	A Multi-Core FPGA-Based 2D-Clustering Implementation for Real-Time Image Processing. <i>IEEE Transactions on Nuclear Science</i> , 2014 , 61, 3599-3606	1.7	8
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271	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
270	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
269	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8

268	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+e^-e^+e^-)$ and $(e^+e^-e^+\nu_{\bar{\nu}})$ final states using 139 $(\text{fb})^{-1}$ of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
267	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
266	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $(\sqrt{s}=8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
265	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
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261	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 347-370	4.2	7
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244	Measurement of the ZZ production cross section using the full CDF II data set. <i>Physical Review D</i> , 2014 , 89,	4-9	7
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230	Search for ZZ and ZW production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	7
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211	The Associative Memory Serial Link Processor for the Fast Tracker (FTK) at ATLAS. <i>Journal of Instrumentation</i> , 2014 , 9, C11006-C11006	1	6
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189	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
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184	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
183	Measurement of prompt photon production in $\sqrt{s_{NN}} = 8.16$ 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
182	Search for the Higgs boson in the all-hadronic final state using the full CDF data set. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	5
181	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
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172	Search for anomalous production of multiple leptons in association with W and Z bosons at CDF. <i>Physical Review D</i> , 2012 , 85,	4-9	5
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165	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
164	Search for the $HH \rightarrow (b\bar{b})$ 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
163	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
162	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
161	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

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159	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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153	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
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151	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
150	Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	4
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148	Measurement of jet activity in top quark events using the $e\bar{e}$ 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
147	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
146	Combination of inclusive and differential $(\overline{\text{t}}\text{t})$ 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
145	Associative Memory for L1 Track Triggering in LHC Environment. <i>IEEE Transactions on Nuclear Science</i> , 2013 , 60, 3627-3632	1.7	4
144	Measurement of the top-quark mass in the $t\bar{t}\gamma$ dilepton channel using the full CDF Run II data set. <i>Physical Review D</i> , 2015 , 92,	4.9	4
143	Measurement of the branching fraction $B(B^0 \rightarrow \bar{D}^+ D^0)$ at CDF. <i>Physical Review D</i> , 2012 , 85,	4.9	4

142	Search for WZ+ZZ production with missing transverse energy+jets with b enhancement at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4-9	4
141	Search for supersymmetry with like-sign lepton-tau events at CDF. <i>Physical Review Letters</i> , 2013 , 110, 201802	7-4	4
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136	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
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133	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
132	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
131	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	4
130	Search for non-resonant Higgs boson pair production in the bb 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
129	Measurement of the tt 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
128	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
127	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
126	Measurement of dijet azimuthal decorrelations in pp collisions at $s=8$ TeV with the ATLAS detector and determination of the strong coupling. <i>Physical Review D</i> , 2018 , 98,	4-9	4
125	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

124	Tevatron constraints on models of the Higgs boson with exotic spin and parity using decays to bottom-antibottom quark pairs. <i>Physical Review Letters</i> , 2015 , 114, 151802	7.4	3
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117	W-boson polarization measurement in the $t\bar{t}$ dilepton channel using the CDF II detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 48-54	4.2	3
116	Measurement of the k_t splitting scales in $Z \rightarrow l\bar{l}$ 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
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113	Search for standard model Higgs boson production in association with a W boson at CDF. <i>Physical Review D</i> , 2012 , 85,	4.9	3
112	Search for new phenomena in events with two Z bosons and missing transverse momentum in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	3
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109	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
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103	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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98	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
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90	Search for the standard model Higgs boson produced in association with a Z boson in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 715, 98-104	4.2	2
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87	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
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81	A VLSI processor for fast track finding based on content addressable memories		2
80	The Data Organizer: A high traffic node for tracking detector data		2
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71	Measurement of (W^+W^-) -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

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55	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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43	A search for the decays of stopped long-lived particles at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
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41	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $(\sqrt{s} = 8, \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
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35	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1

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15	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	○
14	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	○
13	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	○
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