

# Martin Nagel

## List of Publications by Citations

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597 papers	22,020 citations	70 h-index	106 g-index
603 ext. papers	24,625 ext. citations	5.1 avg, IF	2.21 L-index

#	Paper	IF	Citations
597	Searches for Lepton flavor violation in the decays $\tau^{\pm} \rightarrow e^{\pm} \gamma$ and $\tau^{\pm} \rightarrow \mu^{\pm} \gamma$ . <i>Physical Review Letters</i> , <b>2010</b> , 104, 021802	7.4	328
596	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4.2	276
595	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
594	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 292	4.2	263
593	Measurement of the $B \rightarrow D$ transition form factor. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	246
592	The Physics of the B Factories. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	233
591	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 299	4.2	202
590	Evidence of a broad structure at an invariant mass of 4.32 GeV/c <sup>2</sup> in the reaction $e^+e^- \rightarrow \pi^+\pi^-\psi(2S)$ measured at BABAR. <i>Physical Review Letters</i> , <b>2007</b> , 98, 212001	7.4	200
589	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4.2	194
588	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188
587	Evidence for D <sup>0</sup> -D <sup>0</sup> mixing. <i>Physical Review Letters</i> , <b>2007</b> , 98, 211802	7.4	186
586	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 6	4.2	185
585	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , <b>2017</b> , 77, 490	4.2	177
584	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3130	4.2	166
583	Precise measurement of the $e^+e^- \rightarrow \pi^+\pi^-(\gamma)$ cross section with the initial state radiation method at BABAR. <i>Physical Review Letters</i> , <b>2009</b> , 103, 231801	7.4	163
582	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2941	4.2	160
581	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	160

580	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
579	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 45	4.2	152
578	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 581	4.2	148
577	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ( $\sqrt{s_{NN}}$ ) = 2.76 TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	143
576	Search for dimuon decays of a light scalar boson in radiative transitions $Upsilon \rightarrow \gamma A_0$ . <i>Physical Review Letters</i> , <b>2009</b> , 103, 081803	7.4	139
575	Evidence for $X(3872) \rightarrow \psi(2S)\gamma$ in $B(+/-) \rightarrow X(3872)K(+/-)$ decays and a study of $B \rightarrow cc[\overline{\gamma}]\gamma K$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 132001	7.4	134
574	Observation of the bottomonium ground state in the decay $Upsilon(3S) \rightarrow \gamma \eta'$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 071801	7.4	132
573	Measurements of $e^+e^- \rightarrow K^+K^-K^0\overline{K}^0$ , and $K_S^0 K^0 \eta'$ cross sections using initial state radiation events. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	127
572	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	126
571	The BaBar detector: Upgrades, operation and performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 729, 615-701	1.2	125
570	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	124
569	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	120
568	Evidence for the decay $X(3872) \rightarrow J/\psi \eta'$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	119
567	Observation of a new Ds meson decaying to DK at a mass of 2.86 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2006</b> , 97, 222001	7.4	117
566	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \ell^\pm \nu_\ell$ ( $\ell = e, \mu$ ) events using pp collision data at ( $\sqrt{s}$ ) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	112
565	Observation of new resonances decaying to $D^0$ and $D^{*0}$ in inclusive $e^+e^-$ collisions near $\sqrt{s}$ = 10.58 GeV. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	111
564	Observation of $Y(3940) \rightarrow J/\psi \omega$ in $B \rightarrow J/\psi \omega K$ at BABAR. <i>Physical Review Letters</i> , <b>2008</b> , 101, 082001	7.4	111
563	The $e^+e^- \rightarrow 2(\eta), 2(\eta')K^+K^-$ and $K^+K^-\eta'$ cross sections measured with initial-state radiation. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	111

562	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , <b>2015</b> , 75, 510	4.2	109
561	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using ( $\sqrt{s}=8$ ) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	108
560	Search for the $Z(4430) \rightarrow \pi^0 \pi^0 \pi^0$ at BABAR. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	108
559	Measurement of the $[ \text{Formula: see text} ]$ production cross-section using $[ \text{Formula: see text} ]$ events with $[ \text{Formula: see text} ]$ -tagged jets in $[ \text{Formula: see text} ]$ collisions at $[ \text{Formula: see text} ]$ and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3109	4.2	107
558	Search for $B^+ \rightarrow X(3872) K^+$ , $X(3872) \rightarrow J/\psi$ <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	106
557	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 476	4.2	104
556	Search for doubly charged Higgs bosons in like-sign dilepton final states at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	104
555	Structure at 2175 MeV in $e^+e^- \rightarrow f_0(980)$ observed via initial-state radiation. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	102
554	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	101
553	Study of resonances in exclusive B decays to $D^{(*)} D^{(*)} K$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	100
552	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $[ \text{Formula: see text} ]$ in $[ \text{Formula: see text} ]$ collisions at $[ \text{Formula: see text} ]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 349	4.2	94
551	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	92
550	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	91
549	Measurement of the $B \rightarrow \pi$ and $B \rightarrow \eta$ transition form factors. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	86
548	Study of $D_s J$ decays to $D^* K$ in inclusive $e^+e^-$ interactions. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	86
547	$e^+e^- \rightarrow K^+ K^0 \pi^0 K^+ K^0 \pi^0$ and $K^+ K^0 \pi^0 K^+ K^0 \pi^0$ cross sections measured with initial-state radiation. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	86
546	Observation of an excited charm baryon $\Omega_c^*$ decaying to $\Omega_c \gamma$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 232001	7.4	86
545	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow c\bar{c} K^{(*)} 0$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	84

544	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4.2	82
543	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb of pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	81
542	Study of $e+e\rightarrow\mu\mu$ using initial state radiation with BABAR. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	81
541	Measurement of the Z/ $\gamma$ boson transverse momentum distribution in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	79
540	Observation of the semileptonic decays $B\rightarrow D^*\tau\nu$ and evidence for $B\rightarrow D\tau\nu$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 021801	7.4	79
539	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2039	4.2	78
538	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2056	4.2	78
537	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	76
536	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2465	4.2	76
535	Study of $B\rightarrow\mu\mu$ and $B\rightarrow\mu\mu$ decays and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	76
534	Exclusive initial-state-radiation production of the $DD$ , $D^*D$ , and $D^*D^*$ systems. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	75
533	Study of $B\rightarrow X(3872)K$ , with $X(3872)\rightarrow J/\psi$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	75
532	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	74
531	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 209	4.2	73
530	Study of the exclusive initial-state-radiation production of the $DD$ system. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	73
529	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	72
528	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2509	4.2	71
527	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ( $\sqrt{s} = 7$ mTeV ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	70

526	Measurement of $D^0$ - $\bar{D}^0$ mixing parameters using $D^0 \rightarrow K(S)^*(0) \pi^0$ and $D^0 \rightarrow K(S)^*(0) K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2010</b> , 105, 081803	7.4	70
525	Searches for scalar leptoquarks in collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 5	4.2	68
524	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	67
523	Jet mass and substructure of inclusive jets in $(\sqrt{s} = 7; \text{TeV})$ pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	67
522	Evidence for the $\eta(b)(1S)$ meson in radiative $Upsilon(2S)$ decay. <i>Physical Review Letters</i> , <b>2009</b> , 103, 161801	4.9	67
521	Search for Higgs boson pair production in the $[ \text{Formula: see text} ]$ final state from collisions at $[ \text{Formula: see text} ]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 412	4.2	66
520	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-39	5.4	66
519	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 903	4.2	66
518	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	65
517	Search for $B^+ \rightarrow \pi^+ \pi^0$ recoiling against $B \rightarrow D^0 X$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	65
516	Search for the $(\overline{b})$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	64
515	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $(\sqrt{s}=8)$ TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	64
514	Measurement of the transverse momentum and $[ \text{Formula: see text} ]$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $[ \text{Formula: see text} ]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 291	4.2	63
513	Angular distributions in the decay $B \rightarrow K^* l^+ l^-$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	63
512	Improved measurement of the CKM angle $\gamma$ in $B^0 \rightarrow D^{(*)} K^{(*)}$ decays with a Dalitz plot analysis of D decays to $K_S^0 \pi^0$ and $K_S^0 K^+ K^-$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	63
511	Search for resonant diboson production in the $[ \text{Formula: see text} ]$ final state in $[ \text{Formula: see text} ]$ collisions at $[ \text{Formula: see text} ]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 69	4.2	62
510	Search for $B^+ \rightarrow \pi^+ \pi^0$ decays with hadronic B tags. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	62
509	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2017</b> , 77, 195	4.2	61



508	Study of excited charm-strange baryons with evidence for new baryons $\Lambda(3055)^+$ and $\Lambda(3123)^+$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	61
507	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 92	4.2	60
506	Observation of the $\Lambda(2P)$ meson in the reaction $\Lambda \rightarrow DD^*$ at BABAR. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	60
505	Search for CP violation in the decays $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 061803	7.4	60
504	Measurement of the $\gamma$ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 110	4.2	59
503	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	59
502	Study of CP violation in Dalitz-plot analyses of $B^0 \rightarrow K^+ K^- S^0$ , $B^+ \rightarrow K^+ K^- S^+$ , and $B^+ \rightarrow K^0 K^0 S^+$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	58
501	Direct CP, lepton flavor, and isospin asymmetries in the decays $B \rightarrow K(*) l^+ l^-$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 091803	7.4	58
500	Evidence for direct CP violation from Dalitz-plot analysis of $B^0 \rightarrow K^0 \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	58
499	A search for ( $\overline{t}t$ ) resonances using lepton-plus-jets events in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	57
498	Measurement of $ V_{cb} $ and the form-factor slope in $B \rightarrow D l^- \nu(l)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2010</b> , 104, 011802	7.4	57
497	Measurement of the $e^+e^- \rightarrow b\overline{b}$ Cross Section between $\sqrt{s}=10.54$ and $11.20$ GeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 012001	7.4	57
496	Search for charged Higgs bosons decaying via $H^\pm \rightarrow t\overline{b}$ in fully hadronic final states using pp collision data at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	56
495	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 335	4.2	56
494	Precision measurement and interpretation of inclusive $\gamma$ , and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4.2	56
493	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> , <b>2018</b> , 78, 199	4.2	55
492	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	55
491	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	55

490	Summary of the searches for squarks and gluinos using ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	55
489	Measurement of the $B \rightarrow X_s \ell \bar{\nu}$ branching fraction and photon energy spectrum using the recoil method. <i>Physical Review D</i> , <b>2008</b> , 77,	4-9	55
488	Exclusive branching-fraction measurements of semileptonic tau decays into three charged hadrons, into $\phi \pi \pi (-) \nu$ tau, and into $\phi K (-) \nu$ tau. <i>Physical Review Letters</i> , <b>2008</b> , 100, 011801	7-4	55
487	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 82	4-2	54
486	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	54
485	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	54
484	Measurement of $W \mp Z$ production in proton-proton collisions at ( $\sqrt{s}=7 \sim \text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	54
483	Observation of CP violation in $B(0) \rightarrow K(+) \pi(-)$ and $B(0) \rightarrow \pi(+) \pi(-)$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 021603	7-4	54
482	Search for squarks and gluinos in final states with jets and missing transverse momentum at [Formula: see text] = 13 [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4-2	53
481	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 210	4-2	53
480	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	53
479	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , <b>2016</b> , 76, 666	4-2	53
478	Search for direct top-squark pair production in final states with two leptons in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	52
477	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 70	4-2	52
476	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 393	4-2	52
475	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3157	4-2	52
474	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	52
473	Search for low-mass dark-sector Higgs bosons. <i>Physical Review Letters</i> , <b>2012</b> , 108, 211801	7-4	52



472	Observation of $B^+ \rightarrow K^0 K^+$ and $B^0 \rightarrow K^0 K^0$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 171805	7.4	52
471	Measurement of the $B^0 \rightarrow \pi^-(l)(+\nu)$ form-factor shape and branching fraction, and determination of $ V_{ub} $ with a loose neutrino reconstruction technique. <i>Physical Review Letters</i> , <b>2007</b> , 98, 091801	7.4	52
470	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 120	4.2	51
469	Search for a low-mass higgs boson in $Upsilon(3S) \rightarrow \gamma A(0)$ , $A(0) \rightarrow \tau^+ \tau^-$ at BABAR. <i>Physical Review Letters</i> , <b>2009</b> , 103, 181801	7.4	51
468	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	50
467	Evidence for the ( $H \rightarrow b\bar{b}$ ) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	50
466	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 208	4.2	50
465	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 303	4.2	49
464	Measurement of charged-particle spectra in Pb+Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	49
463	Search for high-mass resonances decaying to dilepton final states in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	49
462	Search for resonances in diphoton events at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	49
461	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 995	4.2	49
460	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4.2	48
459	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 259	4.2	48
458	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 428	4.2	48
457	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb <sup>-1</sup> of ( $\sqrt{s}=7$ ;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	48
456	Measurement of the prompt [Formula: see text] pair production cross-section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 76	4.2	47
455	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 24	4.2	47

454	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	47
453	Measurements of $B(B \rightarrow D^* p)$ and $B(B \rightarrow D^* p)$ and studies of $D^*$ resonances. <i>Physical Review D</i> , <b>2008</b> , 78,	4-9	47
452	Search for a new resonance decaying to a or boson and a Higgs boson in the [Formula: see text] final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 263	4-2	46
451	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3023	4-2	46
450	Search for lepton-flavour-violating $H \rightarrow \tau\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	46
449	Study of $B \rightarrow D^* \tau$ decays and constraints on the CKM angle $\phi$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4-9	46
448	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ( $\sqrt{s}=8$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	45
447	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	45
446	Measurement of ZZ production in pp collisions at ( $\sqrt{s}=7$ ) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	45
445	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at [Formula: see text] TeV in 2010. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3034	4-2	45
444	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ( $\sqrt{s}=7$ ; $\text{TeV}$ ) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
443	Search for CPT and lorentz violation in $B^0$ - $B^0$ oscillations with dilepton events. <i>Physical Review Letters</i> , <b>2008</b> , 100, 131802	7-4	45
442	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text] TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 318	4-2	44
441	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 154	4-2	44
440	Measurement of isolated-photon pair production in pp collisions at ( $\sqrt{s}=7$ ; TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	44
439	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7$ mbox{TeV}). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	44
438	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	43
437	Measurement of the cross section for top-quark pair production in pp collisions at ( $\sqrt{s} = \{7\}, \{ \text{TeV} \}$ ) with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	43

436	Measurements of the semileptonic decays $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* \ell^+ \ell^-$ using a global fit to $D^* \ell^+ \ell^-$ final states. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	43
435	Search for production of invisible final states in single-photon decays of $\Upsilon(1S)$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 021804	7.4	43
434	Determination of the form factors for the decay $B^0 \rightarrow D^{*+} \ell^- \ell^+$ and of the CKM matrix element $ V_{cb} $ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	43
433	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 466	4.2	42
432	Measurement of the differential cross-sections of prompt and non-prompt production of $[Formula: see text]$ and $[Formula: see text]$ in collisions at $[Formula: see text]$ and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 283	4.2	42
431	Measurement of the top quark mass with the template method in the $[Formula: see text]$ channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4.2	42
430	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	42
429	Search for the $Z_1(4050)^+$ and $Z_2(4250)^+$ states in $B^0 \rightarrow \ell^+ \ell^- K^0$ and $B^+ \rightarrow \ell^+ \ell^- K^0$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	42
428	Evidence for direct CP violation in the measurement of the Cabbibo-Kobayashi-Maskawa angle $\beta$ with $B^0 \rightarrow D^{(*)} K^{(*)0}$ decays. <i>Physical Review Letters</i> , <b>2010</b> , 105, 121801	7.4	42
427	Limits on lepton-flavor violating decays into three charged leptons. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	42
426	Dalitz plot analysis of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	42
425	Study of $B^0 \rightarrow \pi^+ \pi^-$ , $B^0 \rightarrow \pi^0 \pi^0$ , and $B^0 \rightarrow K^+ K^-$ decays, and isospin analysis of $B \rightarrow \pi$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
424	Measurement of the $B \rightarrow K^0 \pi^0$ branching fraction. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
423	Measurement of the hadronic form factor in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
422	Search for heavy resonances in the $\pi^+ \pi^-$ and $\pi^0 \pi^0$ final states using proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 293	4.2	41
421	Search for direct top squark pair production in events with a $[Formula: see text]$ boson, $[Formula: see text]$ -jets and missing transverse momentum in $[Formula: see text]$ TeV $[Formula: see text]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2883	4.2	41
420	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	41
419	Dalitz plot analysis of $B^0 \rightarrow D^+ \pi^-$ <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	41

418	Search for hadronic decays of a light Higgs boson in the radiative decay $B \rightarrow A0$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 221803	7.4	41
417	Cross sections for the reactions $e+e \rightarrow K+K \rightarrow K+K$ , and $K+K \rightarrow K+K$ measured using initial-state radiation events. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	41
416	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho K^*$ and $B \rightarrow f_0(980) K^*$ decays. <i>Physical Review Letters</i> , <b>2006</b> , 97, 201801	7.4	41
415	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	40
414	Vector-tensor and vector-vector decay amplitude analysis of $B_0 \rightarrow \phi K^*0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 051801	7.4	40
413	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 199	4.2	39
412	Search for supersymmetry at $(\sqrt{s}) = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	39
411	A search for $(\overline{t}t)$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	39
410	Search for $B \rightarrow \mu \mu$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	39
409	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 241	4.2	38
408	Observation and measurements of the production of prompt and non-prompt $B$ mesons in association with a $W$ boson in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 229	4.2	38
407	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	38
406	Measurements of charged current lepton universality and $ V_{us} $ using tau lepton decays to $e^- \nu_e$ ( $\mu^- \nu_\mu$ ), $B \rightarrow \tau \nu$ , and $K \rightarrow \tau \nu$ . <i>Physical Review Letters</i> , <b>2010</b> , 105, 051602	7.4	38
405	Measurement of the production of a $W$ boson in association with a charm quark in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	37
404	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	37
403	Search for the Standard Model Higgs boson in the $H \rightarrow \tau \tau$ decay mode in $(\sqrt{s}) = 7, \sqrt{s} = 8$ TeV pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
402	Time-dependent amplitude analysis of $B_0 \rightarrow K_S^0 \mu \mu$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	37
401	Charged-particle distributions at low transverse momentum in $pp$ interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 502	4.2	37

390	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	36
399	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	36
398	Measurement of $D^0\bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K_S^0, K_S^{*0}$ , and $\pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	36
397	Time-dependent and time-integrated angular analysis of $B \rightarrow K_S^0 \ell^+ \ell^-$ and $B \rightarrow K_S^{*0} \ell^+ \ell^-$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	36
396	Measurement of the $B \rightarrow \pi \ell \nu$ branching fraction and determination of absolute value of $V_{ub}$ with tagged B mesons. <i>Physical Review Letters</i> , <b>2006</b> , 97, 211801	7.4	36
395	Observation of the decay $B^+ \rightarrow K^+ K^- \pi^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 221801	7.4	36
394	Improved limits on the lepton-flavor violating decays $\tau \rightarrow l^+ l^- l^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 251803	7.4	36
393	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 142	4.2	35
392	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 171	4.2	35
391	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 322	4.2	35
390	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 379	4.2	35
389	Search for second generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	35
388	Measurement of the $B \rightarrow \pi$ transition form factor. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	35
387	Search for invisible decays of the Upsilon(1S). <i>Physical Review Letters</i> , <b>2009</b> , 103, 251801	7.4	35
386	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	34
385	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	34
384	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ( $\sqrt{s} = 7$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
383	Measurement of $D^0\text{-}\bar{D}^0$ mixing from a time-dependent amplitude analysis of $D^0 \rightarrow K^+ \pi^- \pi^0$ decays. <i>Physical Review Letters</i> , <b>2009</b> , 103, 211801	7.4	34



382	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 565	4.2	34
381	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , <b>2017</b> , 77, 673	4.2	33
380	Searches for rare or forbidden semileptonic charm decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	33
379	Measurement of decay amplitudes of $B \rightarrow J/\psi K^*$ , $B \rightarrow \psi(2S) K^*$ , and $B \rightarrow \psi(3770) K^*$ with an angular analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	33
378	Improved measurements of the branching fractions for $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow K^+ K^-$ and a search for $B^0 \rightarrow K^+ K^- \pi^0$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	33
377	Search for lepton flavor violating decays $\tau(\pm) \rightarrow l(\pm) \pi^0$ , $l(\pm) \eta$ , $l(\pm) \eta'$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 061803	7.4	33
376	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> , <b>2016</b> , 2016, 1	5.4	33
375	Measurement of the top quark mass in the $t\bar{t} \rightarrow b\bar{b} \ell^+ \ell^-$ and $t\bar{t} \rightarrow b\bar{b} \ell^+ \nu_\ell$ channels using $\sqrt{s}=13$ TeV ATLAS data. <i>European Physical Journal C</i> , <b>2015</b> , 75, 330	4.2	32
374	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 18	4.2	32
373	Study of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays at BABAR. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	32
372	Measurements of CP-violating asymmetries in the decay $B^0 \rightarrow K^+ K^- K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 161802	7.4	32
371	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
370	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $(\sqrt{s}=7)$ TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	31
369	Measurement of the production and lepton charge asymmetry of $Z$ bosons in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 23	4.2	31
368	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3134	4.2	31
367	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $(\sqrt{s} = 8)$ TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	31
366	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $(\sqrt{s}=7;\text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	31
365	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $(\sqrt{s}=7 \text{ TeV})$ proton-proton collisions. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31



364	Dalitz plot analysis of $D_{s^{+-}} \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	3 <sup>1</sup>
363	Improved measurement of CP violation in neutral B decays to $c\bar{c}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 171803	7.4	3 <sup>1</sup>
362	Measurement of CP violation parameters with a Dalitz plot analysis of $B_{\{+/-\}} \rightarrow D \pi^+ \pi^- \pi^0 K_{\{+/-\}}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 251801	7.4	3 <sup>1</sup>
361	Search for third generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	3 <sup>0</sup>
360	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3 <sup>0</sup>
359	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at ( $\sqrt{s}=8$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3 <sup>0</sup>
358	Measurement of the $[ \text{Formula: see text} ]$ production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2328	4.2	3 <sup>0</sup>
357	Measurement of $D^0 \bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K^0$ and $K^0 K^0$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	3 <sup>0</sup>
356	Dalitz plot analysis of $D_{s^{+-}} \rightarrow K^+ K^-$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	3 <sup>0</sup>
355	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	2 <sup>9</sup>
354	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	2 <sup>9</sup>
353	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 332	4.2	2 <sup>9</sup>
352	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	2 <sup>9</sup>
351	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	2 <sup>9</sup>
350	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ and $B^{+-} \rightarrow \pi^0 \pi^0$ branching fractions, the $B^0 \rightarrow \pi^0 \pi^0$ and $B^{+-} \rightarrow \pi^0 \pi^0$ form-factor shapes, and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	2 <sup>9</sup>
349	Two-particle Bose-Einstein correlations in collisions at $[ \text{Formula: see text} ]$ 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 466	4.2	2 <sup>8</sup>
348	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 250	4.2	2 <sup>8</sup>
347	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 295	4.2	2 <sup>8</sup>

346	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 55	4.2	28
345	Observation of the $\Upsilon(13010)$ bottomonium state through decays to $\Upsilon(1S)$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	28
344	Study of $B \rightarrow X \ell \bar{\ell}$ decays and determination of $ V_{td}/V_{ts} $ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	28
343	Measurement of $B \rightarrow K^*(892) \gamma$ branching fractions and CP and Isospin asymmetries. <i>Physical Review Letters</i> , <b>2009</b> , 103, 211802	7.4	28
342	Measurement of the branching fractions of $B \rightarrow D^{**}(\ell) \nu(\ell)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2008</b> , 101, 261802	7.4	28
341	Search for $D^0 \bar{D}^0$ mixing using doubly flavor tagged semileptonic decay modes. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
340	Measurement of CP-violating asymmetries in $B^0 \rightarrow \ell \ell$ using a time-dependent Dalitz plot analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
339	Evidence for the $B^0 \rightarrow \pi^+ \pi^- K^*0$ and $B^+ \rightarrow \pi^+ K^{*+}$ decays and study of the decay dynamics of B meson decays into $\pi^+ \pi^-$ final states. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
338	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $[Formula: see text]$ boson in the $[Formula: see text]$ final state produced in collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 585	4.2	28
337	Fiducial, total and differential cross-section measurements of $\gamma$ -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 531	4.2	27
336	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> , <b>2015</b> , 2015, 1	5.4	27
335	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $(\sqrt{s}=13)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
334	Studies of $B \rightarrow K \ell \bar{\ell}$ and $B \rightarrow \pi \ell \bar{\ell}$ at BABAR and a search for a second-class current. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	27
333	Study of the rare decays of $[Formula: see text]$ and $[Formula: see text]$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 513	4.2	27
332	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb $^{-1}$ of $(\sqrt{s}=13)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	26
331	Measurement of $\ell_1$ and $\ell_2$ production with $(\sqrt{s}) = 7$ TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
330	Measurements of the production cross section of a $[Formula: see text]$ boson in association with jets in collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 361	4.2	26
329	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	26

328	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
327	Measurement of CP observables in $B^0 \rightarrow D^0 \bar{K}^0$ decays and constraints on the CKM angle $\phi_1$ <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	26
326	Measurement of semileptonic B decays into orbitally excited charmed mesons. <i>Physical Review Letters</i> , <b>2009</b> , 103, 051803	7.4	26
325	Measurements of the $B^0$ mass and the mass difference of the $B^0$ and $\bar{B}^0$ BABAR. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	26
324	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 658	4.2	26
323	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P03017-P03017	1	25
322	Multi-channel search for squarks and gluinos in $[p\bar{p}]$ collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2362	4.2	25
321	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
320	Search for $[p\bar{p}]$ decays in $[p\bar{p}]$ collisions at $[p\bar{p}]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 165	4.2	25
319	Analysis of the $D^{*+} \rightarrow K^0 \pi^+ \pi^0$ decay channel. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	25
318	Study of hadronic transitions between $B^0$ states and observation of $(B^0_S) \rightarrow (B^0)$ decay. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
317	Dalitz plot analysis of the decay $B^0(B^0) \rightarrow K^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
316	Study of the decay $D_s^{*+} \rightarrow K^0 \pi^+ \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
315	Measurements of CP-violating asymmetries in $B^0 \rightarrow \pi^+ \pi^- (1260) \pi^0$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 181803	7.4	25
314	Search for bottom squark pair production in proton-proton collisions at $[p\bar{p}]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 547	4.2	25
313	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	25
312	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	24
311	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $(\sqrt{s}) = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24

310	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W$ boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
309	Measurement of the differential cross-section of $B^+$ meson production in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	24
308	Search for CP violation in the decay $B_s^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	24
307	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
306	Measurement of the absolute branching fractions for $D_s \rightarrow \pi^0 \pi^0$ and extraction of the decay constant $f_{D_s}$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	24
305	Measurement of time dependent CP asymmetry parameters in $B^0$ meson decays to $K_S^0$ , $\bar{K}^0$ , and $\pi^0 K_S^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	24
304	Measurement of the $B \rightarrow \pi^0 \pi^0$ branching fraction and a search for a second-class current in the $B \rightarrow \pi^0(958) \pi^0$ decay. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	24
303	Measurement of the branching fraction, polarization, and CP asymmetries in $B^0 \rightarrow \pi^0 \pi^0$ decay, and implications for the CKM angle $\beta$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	24
302	Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ decay. <i>Physical Review Letters</i> , <b>2007</b> , 99, 201802	7.4	24
301	Amplitude analysis of the decay $D^0 \rightarrow K^+ K^- \pi^0$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	24
300	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> , <b>2016</b> , 76, 442	4.2	24
299	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 154	4.2	23
298	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	23
297	Search for CP violation in neutral D meson Cabibbo-suppressed three-body decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	23
296	Measurements of branching fraction, polarization, and charge asymmetry of $B^{(\pm)} \rightarrow \rho^{(\pm)} \rho^{(0)}$ and a search for $B^{(\pm)} \rightarrow \rho^{(\pm)} f_0(980)$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 261801	7.4	23
295	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 401	4.2	23
294	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 762	4.2	23
293	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 26	4.2	22

292	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
291	Search for heavy long-lived multi-charged particles in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 362	4.2	22
290	Search for W W/W Z resonance production in $\bar{b}q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
289	A search for prompt lepton-jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	22
288	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb $^{-1}$ of ( $\sqrt{s}=13$ ) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
287	A search for high-mass resonances decaying to $\mu\mu$ in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
286	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
285	Search for $b \rightarrow u$ transitions in $B \rightarrow DK$ and $D^* K$ decays. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	22
284	Measurement and interpretation of moments in inclusive semileptonic decays $B \rightarrow X c \ell$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	22
283	Evidence for the $h_b(1P)$ meson in the decay $B^0 \rightarrow D^0 h_b(1P)$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	22
282	Measurements of $B \rightarrow \{ \pi, \eta, \eta' \} \nu_{\ell}$ branching fractions and determination of $ V_{ub} $ with semileptonically tagged B mesons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 081801	7.4	22
281	Branching fraction measurements of $B^{+-} \rightarrow \rho^0 \gamma$ , $B^0 \rightarrow \rho^0 \gamma$ , and $B^0 \rightarrow \omega \gamma$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 151802	7.4	22
280	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 79	4.2	21
279	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 11	4.2	21
278	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3195	4.2	21
277	Exclusive production of $D_s^+ D_s^-$ and $D_s^{*+} D_s^{*-}$ via $e^+ e^-$ annihilation with initial-state radiation. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	21
276	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	21
275	Amplitude analysis of $B^0 \rightarrow K^+ D^-$ and evidence of direct CP violation in $B \rightarrow K^* D$ decays. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	21

274	Search for the decay modes $B \rightarrow h \pi \pi$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	21
273	Observation and polarization measurements of $B^+ \rightarrow \phi K^+ \pi^0$ and $B^0 \rightarrow \phi K^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 161801	7.4	21
272	Observation of $B_s \rightarrow K^* K$ and Search for $B_s \rightarrow K^* K^* K$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 081801	7.4	21
271	Production and decay of $\Omega_{cc}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 062001	7.4	21
270	Observation of CP violation in $B \rightarrow \eta' K$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 031801	7.4	21
269	Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	21
268	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1007	4.2	21
267	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 997	4.2	21
266	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 58	4.2	20
265	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
264	Searches for heavy diboson resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
263	Searches for the Z decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	20
262	Search for the rare decay $B \rightarrow K \pi \pi$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	20
261	Improved measurement of $B^+ \rightarrow \rho^+ \rho^0$ and determination of the quark-mixing phase angle $\alpha$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 141802	7.4	20
260	Measurement of the $B \rightarrow D^* D^* K$ branching fractions. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	20
259	Study of $B \rightarrow Xu$ decays in $BB$ events tagged by a fully reconstructed B-meson decay and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	20
258	Searches for the decays $B^0 \rightarrow l^+ l^- \pi^0$ and $B^+ \rightarrow l^+ l^- \pi^+$ using hadronic tag reconstruction. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	20
257	Evidence for CP violation in $B^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review Letters</i> , <b>2008</b> , 101, 021801	7.4	20



256	Measurement of the branching fractions of exclusive $B \rightarrow D^{(*)}(\pi)l \bar{\nu}_l$ decays in events with a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2008</b> , 100, 151802	7.4	20
255	Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B^0 \rightarrow D^{*+} D^{*-} K_S^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	20
254	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 565	4.2	20
253	Measurement of the boson polarisation in $B \rightarrow D^{(*)} \ell \bar{\nu}_\ell$ events from collisions at $\sqrt{s} = 8$ TeV in the lepton+jets channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4.2	19
252	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 898	4.2	19
251	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 872	4.2	19
250	Test of lepton universality in $B \rightarrow K^* \ell \bar{\nu}_\ell$ decays at BABAR. <i>Physical Review Letters</i> , <b>2010</b> , 104, 191801	7.4	19
249	Search for CP violation in the decay $B^0 \rightarrow K_S^0 \pi^0$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	19
248	Initial-state radiation measurement of the $e^+e^- \rightarrow \mu^+\mu^- \gamma$ cross section. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	19
247	Search for the decay $D^0 \rightarrow \pi^0 \pi^0$ and measurement of the branching fraction for $D^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	19
246	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow K_S^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	19
245	Study of B-meson decays to $B^0 \rightarrow K^{*0} \pi^0$ , $B^0 \rightarrow K^{*0} \pi^0$ , and $B^0 \rightarrow K^{*0} \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	19
244	Measurement of CP-violating asymmetries in $B^0 \rightarrow D^{*+} D^{-} \pi^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 071801	7.4	19
243	Charged-particle distributions in interactions at $\sqrt{s} = 7$ TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 403	4.2	19
242	Measurement of three-jet production cross-sections in $p\bar{p}$ collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 228	4.2	18
241	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	18
240	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2982	4.2	18
239	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18

238	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2676	4.2	18
237	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
236	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-65	5.4	18
235	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , <b>2015</b> , 75, 407	4.2	18
234	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	18
233	Measurement of the semileptonic decays $B \rightarrow D^* \ell \bar{\nu}$ and $B \rightarrow D^* \ell \nu$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	18
232	Measurement of branching fractions and charge asymmetries in B decays to an eta meson and a $K^*$ meson. <i>Physical Review Letters</i> , <b>2006</b> , 97, 201802	7.4	18
231	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 87	4.2	18
230	Searches for heavy ZZ and ZW resonances in the $\ell\bar{\ell}q$ and $\ell\bar{\ell}q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
229	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
228	Measurement of polarization in $\Lambda \rightarrow p \pi^-$ decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4.2	17
227	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3117	4.2	17
226	Observation and study of the baryonic B-meson decays $B \rightarrow D^{(*)} p \pi^-$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	17
225	Observation of $\Upsilon(1S)$ and $\Upsilon(2S)$ decays to $K^+ K^- \pi^0$ in two-photon interactions. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	17
224	Search for $D^0$ - $\bar{D}^0$ mixing and branching-ratio measurement in the decay $D^0 \rightarrow K^+ \pi^- \pi^0$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 221803	7.4	17
223	Search for the rare decay $B \rightarrow \pi^0 \ell^+ \ell^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 051801	7.4	17
222	Measurement of $\cos 2\beta$ in $B_{(s)}^0 \rightarrow D_{(s)}^{(*)} h_{(s)}^0$ decays with a time-dependent Dalitz plot analysis of $D \rightarrow K_{(s)}^0 \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 231802	7.4	17
221	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text] $\sqrt{s}=13$ TeV [Formula: see text] collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 517	4.2	17

220	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in ( $\sqrt{s}=8$ ) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
219	Search for the Standard Model Higgs boson decaying into ( $\overline{b}b$ ) produced in association with top quarks decaying hadronically in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
218	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 580	4.2	16
217	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	16
216	Search for new phenomena in events with three or more charged leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
215	Measurement of the ( $\overline{t}W$ ) and ( $\overline{t}Z$ ) production cross sections in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
214	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
213	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3168	4.2	16
212	Measurement of the production cross-section of ( $\overline{D}S$ ) $\rightarrow J/\psi + D^0$ in pp collisions at ( $\sqrt{s}$ ) = 7 TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
211	Search for anomalous production of prompt like-sign lepton pairs at ( $\sqrt{s}=7;\mathrm{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	16
210	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , <b>2016</b> , 76, 526	4.2	16
209	Search for the Higgs boson produced in association with a boson and decaying to four $\gamma$ -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 605	4.2	16
208	Search for flavour-changing neutral current top-quark decays to [Formula: see text] in [Formula: see text] collision data collected with the ATLAS detector at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 12	4.2	16
207	Determination of spin and parity of the Higgs boson in the [Formula: see text] decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 231	4.2	15
206	Measurement of the top quark charge in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
205	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=7;\mathrm{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
204	Measurements of ( $\overline{D}S$ ) and $X(3872) \rightarrow J/\psi + D^0$ production in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
203	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2017</b> , 77, 563	4.2	15

202	Determination of the top-quark pole mass using $(\overline{t}) + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	15
201	Search for $WH$ production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043009	2.9	15
200	Measurement of the decay $B(-) \rightarrow D^{*0} e(-) \nu_{\overline{e}}$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 231803	7.4	15
199	Measurements of partial branching fractions for $B \rightarrow X \nu$ and determination of $ V_{ub} $ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 171802	7.4	15
198	Observation of $B^{++} \rightarrow a_1^{+}(1260) K^0$ and $B^0 \rightarrow a_1^{-(1260)} K^{+}$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 051803	7.4	15
197	Observation of tree-level B decays with $ss$ production from gluon radiation. <i>Physical Review Letters</i> , <b>2008</b> , 100, 171803	7.4	15
196	Search for lepton flavor violating decays $\tau_{+/-} \rightarrow l_{+/-} \omega$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 071802	7.4	15
195	Inclusive $\overline{B}^+$ production in $e^+e^-$ annihilations at $s=10.54$ GeV and in $\Upsilon(4S)$ decays. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	15
194	Observation of B Meson decays to $b_1 \pi$ and $b_1 K$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 241803	7.4	15
193	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=7$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 625	4.2	15
192	Measurement of the $\sigma(\overline{t}t)$ and $\sigma(\overline{t}t + \text{jet})$ production cross sections in multilepton final states using 3.2 fb of $\sqrt{s}=7$ TeV collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 40	4.2	14
191	Measurements of electroweak $\sigma(\overline{t}t)$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 474	4.2	14
190	Measurement of the $\sigma(\overline{t}t)$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
189	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	14
188	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $(\sqrt{s})=8$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	14
187	Search for charged Higgs bosons through the violation of lepton universality in $(\overline{t}t)$ events using pp collision data at $(\sqrt{s}=7)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
186	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW^{*}$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
185	A search for $[F]$ resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at $[F]$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4.2	14

184	Search for charged lepton flavor violation in narrow upilon decays. <i>Physical Review Letters</i> , <b>2010</b> , 104, 151802	7.4	14
183	Measurements of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)} + D^{(*)} \bar{\nu}$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	14
182	Model-independent search for the decay $B^{+} \rightarrow l^{+} \bar{\nu}$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	14
181	Observation of B meson decays to $\bar{K}^*$ and improved measurements for $\bar{B}^0$ and $B^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	14
180	Search for $b \rightarrow u$ transitions in $B^0 \rightarrow D^0 K^{*0}$ decays. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	14
179	B meson decays to charmless meson pairs containing $\bar{b} \rightarrow \bar{u}$ mesons. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	14
178	Search for the rare leptonic decays $B^{+} \rightarrow l^{+} \bar{\nu} (l=e,\mu)$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	14
177	Amplitude analysis and measurement of the time-dependent CP asymmetry of $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	14
176	Search for decays of $B^0$ mesons into $e^{+} e^{-} \bar{\nu} \nu$ and $e^{+} e^{-} \bar{\nu} \nu$ final states. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	14
175	Branching fraction and CP-violation charge asymmetry measurements for B-meson decays to $\bar{K}^0$ , $\bar{B}$ , $\bar{K}^*$ , $\bar{D}$ , $\bar{K}$ , and $\bar{B}$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	14
174	Measurements of top-quark pair differential cross-sections in the $[t\bar{t}]$ channel in collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 292	4.2	13
173	Search for triboson $[t\bar{t}t]$ production in collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 141	4.2	13
172	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^{*} \rightarrow e\bar{\nu}$ with the ATLAS detector at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
171	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
170	Identification of high transverse momentum top quarks in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
169	Addendum to Measurement of the $(t\bar{t})$ production cross-section using $(e\mu)$ events with b-tagged jets in pp collisions at $(\sqrt{s}=7)$ and $8$ (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	13
168	Study of the $[t\bar{t}]$ and $[t\bar{t}t]$ decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 4	4.2	13
167	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13



166	Search for R-parity-violating supersymmetry in events with four or more leptons in ( $\sqrt{s}=7\text{TeV}$ ) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
165	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
164	Measurement of branching fractions of B decays to $K_1(1270)$ and $K_1(1400)$ and determination of the CKM angle $\beta$ from $B^0 \rightarrow a_1(1260)\pi$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	13
163	Searches for the baryon- and lepton-number violating decays $B^0 \rightarrow \bar{p} + \ell^+ B^{\pm} \ell^{\mp}$ and $B^{\pm} \rightarrow \ell^{\pm}$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	13
162	Observation of the rare decay $B^{+} \rightarrow K^{*0} \mu^{+} \mu^{-}$ and measurement of the quasi-two-body contributions $B^{+} \rightarrow K^{*}(892)^{+} \mu^{+} \mu^{-}$ , $B^{+} \rightarrow f_0(980) K^{+} \mu^{+} \mu^{-}$ , and $B^{+} \rightarrow \bar{D}^0 K^{+} \mu^{+} \mu^{-}$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	13
161	Measurement of the spin of the $\Upsilon(1530)$ resonance. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	13
160	Search for $B^0 \rightarrow \gamma(K^{*0})$ decays with large $K^{*0}$ invariant mass. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	13
159	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	13
158	Operation and performance of the ATLAS Tile Calorimeter in Run 1. <i>European Physical Journal C</i> , <b>2018</b> , 78, 987	4.2	13
157	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
156	Search for new phenomena with photon+jet events in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
155	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
154	Search for strong gravity in multijet final states produced in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
153	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 232	4.2	12
152	Search for anomalous couplings in the $W tb$ vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1-46	5.4	12
151	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2895	4.2	12
150	Measurement of the inclusive jet cross-sections in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
149	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12



148	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \gamma\gamma$ in ( $\sqrt{s}=13$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
147	Measurements of top quark spin observables in ( $t\bar{t}$ ) events using dilepton final states in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
146	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	12
145	Study of radiative bottomonium transitions using converted photons. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	12
144	Search for the decay $B^+ \rightarrow K_S^0 K_S^0 \pi^+$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	12
143	Study of $(B_S, 2S) \rightarrow \eta(1S)$ and $(B_S, 2S) \rightarrow \eta(1S)$ hadronic transitions. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	12
142	Search for CP violation using T-odd correlations in $D^+ \rightarrow K^+ K_S^0 \pi^0$ and $D_s^+ \rightarrow K^+ K_S^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	12
141	Search for the highly suppressed decays $B^0 \rightarrow K^+ \pi^-$ and $B^0 \rightarrow K^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	12
140	Evidence for charged B meson decays to $a_1^{+/-}(1260)\pi^0$ and $a_1(0)(1260)\pi^{+/-}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 261801	7.4	12
139	Search for the Decay $B^{+/-} \rightarrow K^+ \tau^{+/-} \mu^{+/-}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 201801	7.4	12
138	Searches for $B^0$ decays to $K^0$ , $\pi^0$ , $\eta$ , and $\eta'$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12
137	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 129	4.2	11
136	Measurement of lepton differential distributions and the top quark mass in production in collisions at 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 804	4.2	11
135	Probing the $Wtb$ vertex structure in t-channel single-top-quark production and decay in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
134	Study of and production in collisions at and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 646	4.2	11
133	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
132	Measurement of the semileptonic branching fraction of the $B_s$ meson. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	11
131	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11

130	Search for $b \rightarrow u$ transitions in $B_{\text{c}} \rightarrow [K^* \pi] DK_{\text{c}}$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	11
129	Branching fraction measurements of the color-suppressed decays $B_{\text{c}}^0$ to $D^{(*)} 0 \pi$ , $D^{(*)} 0 \pi D^{(*)} 0 \pi$ and $D^{(*)} 0 \pi$ and measurement of the polarization in the decay $B_{\text{c}}^0 \rightarrow D^{*} 0 \pi$ <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	11
128	Measurement of the branching fraction and $\pi$ polarization in $B_0 \rightarrow \pi \pi$ <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	11
127	Search for $B \rightarrow K^* \pi$ decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	11
126	Measurement of the branching fractions of the radiative charm decays $D_0 \rightarrow K^* 0 \pi$ and $D_0 \rightarrow \pi \pi$ <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	11
125	Measurements of the branching fractions of $B_0 \rightarrow K^* 0 K + K \pi$ , $B_0 \rightarrow K^* 0 \pi K$ , $B_0 \rightarrow K^* 0 K + \pi$ and $B_0 \rightarrow K^* 0 \pi \pi$ <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
124	Measurement of the $B_{\text{c}} \rightarrow \pi \pi$ branching fraction and direct CP asymmetry. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	11
123	Branching fraction and charge asymmetry measurements in $B \rightarrow J/\psi$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
122	Evidence for $B(0) \rightarrow \rho(0) \rho(0)$ decays and implications for the Cabibbo-Kobayashi-Maskawa angle $\alpha$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 111801	7.4	11
121	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at ( $\sqrt{s}=13$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	10
120	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in ( $\sqrt{s}=8$ ) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
119	Measurement of the CP-violating phase $\gamma$ and the $B^0$ meson decay width difference with $B^0 \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
118	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 765	4.2	10
117	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	10
116	Measurement of the mass and width of the $D_{\text{s}1}(2536)^+$ meson. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	10
115	Improved limits on lepton-flavor-violating tau decays to $l \mu$ , $l \rho$ , $l K$ , and $l \bar{K}$ . <i>Physical Review Letters</i> , <b>2009</b> , 103, 021801	7.4	10
114	Constraints on the CKM angle $\beta$ in $B_0 \rightarrow D^0 K^* 0$ and $B_0 \rightarrow D^0 K^* 0$ from a Dalitz analysis of $D_0$ and $D^0$ decays to $K S^0$ <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	10
113	Measurement of the branching fractions of the rare decays $B_0 \rightarrow D_{\text{s}}^{(*)} \pi$ and $B_0 \rightarrow D_{\text{s}}^{(*)} K$ <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10

112	Improved measurement of CP observables in $B^{\pm} \rightarrow DCP0K^{\pm}$ decays. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	10
111	Observation of $e^+e^- \rightarrow \mu^+\mu^-$ near $\sqrt{s}=10.58$ GeV. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10
110	Observation of $B^+ \rightarrow b1+K0$ and search for B-meson decays to $b10K0$ and $b10$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10
109	Search for neutral B-meson decays to $a0\pi^0K^0$ , $\pi^0$ , and $\pi^0$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	10
108	Measurement of CP asymmetry in $B0 \rightarrow Ks0\pi\pi$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	10
107	Branching fraction measurements of charged B decays to $K^*+K+K\pi K^*+\pi K\pi K^*+K+\pi$ and $K^*+\pi$ final states. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
106	Measurement of the ZZ production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV using the $ZZ \rightarrow \mu^+\mu^-$ and ( $ZZ \rightarrow \ell^+\ell^- \nu \overline{\nu}$ ) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
105	Measurement of charged-particle distributions sensitive to the underlying event in ( $\sqrt{s}=13$ ) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
104	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb $^{-1}$ of ( $\sqrt{s}$ ) = 8 TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	9
103	B-meson decays to $\pi^0\pi^0$ , and $\pi^0K^*$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	9
102	Measurement of the $B^+ \rightarrow \pi^+\pi^0$ and $B^+ \rightarrow \pi^+\pi^+\pi^-$ branching fractions. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	9
101	Search for Lepton Flavor Violating Decays $B^{\pm} \rightarrow \ell^{\pm} Ks0$ with the BABAR Experiment. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	9
100	Measurement of the CP-violating asymmetries in $B0 \rightarrow Ks0\pi$ and of the branching fraction $B0 \rightarrow K0\pi$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	9
99	Measurements of branching fractions for $B^+ \rightarrow \pi^+\pi^0 B0 \rightarrow \pi^0\pi^0$ and $B0 \rightarrow \pi^+\pi^-$ <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	9
98	Observation of $B^+ \rightarrow \pi^+\pi^0$ and search for $B0$ decays to $\pi^0\pi^0$ , $\pi^0$ , and $\pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	9
97	Measurement of the CP asymmetry in $b \rightarrow s\gamma$ using a sum of exclusive final states. <i>Physical Review Letters</i> , <b>2008</b> , 101, 171804	7.4	9
96	Search for the decay $B^+ \rightarrow K\pi^*0(892)K^+$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	9
95	Measurement of the relative branching fractions of $B^{\pm} \rightarrow D/D^*/D^{**}\pi$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	9

94	Branching fraction measurement of $B^0 \rightarrow D^{(*)} + \bar{\ell} \ell$ and $B^{\pm} \rightarrow D^{(*)} 0 \ell^{\pm}$ and isospin analysis of $B^0 \rightarrow D^{(*)} \ell^+ \ell^-$ decays. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	9
93	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05013-P05013	1	8
92	Measurement of splitting scales in $\rightarrow$ events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
91	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 144	4.2	8
90	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
89	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 158	4.2	8
88	Measurement of the $B^+ \rightarrow \mu^+ \ell^+ \ell^-$ branching fraction with semileptonically tagged B mesons. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	8
87	Study of dipion bottomonium transitions and search for the $h_b(1P)$ state. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	8
86	Measurement of CP violation observables and parameters for the decays $B^0 \rightarrow DK^{*\mp}$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	8
85	Measurement of the absolute branching fraction of $D^0 \rightarrow K \pi^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 051802	4.4	8
84	Searches for B meson decays to $\pi^0 \pi^0$ , $\pi^0 \rho^0$ , $\pi^0 f_0(980)$ , and $f_0(980) f_0(980)$ final states. <i>Physical Review Letters</i> , <b>2008</b> , 101, 201801	7.4	8
83	Search for the reactions $e^+ e^- \rightarrow \mu^+ \mu^-$ and $e^+ e^- \rightarrow e^+ \pi^0$ <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	8
82	Measurement of the absolute branching fractions $B \rightarrow D^0 D^{*0} D^{*0}$ with a missing mass method. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
81	Measurement of the Time-Dependent CP Asymmetry in $B^0 \rightarrow D_{CP}^{(*)} h^0$ Decays. <i>Physical Review Letters</i> , <b>2007</b> , 99, 081801	7.4	8
80	Measurement of the ratio $B(B^+ \rightarrow X e^+) / B(B^0 \rightarrow X e^0)$ <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
79	Observation of the exclusive reaction $e^+ e^- \rightarrow \gamma \gamma$ at $s=10.58$ GeV. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
78	Measurements of top-quark pair spin correlations in the (emu) channel at ( $\sqrt{s} = 13$ ) TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
77	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8

76	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 784	4.2	8
75	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 102	4.2	7
74	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4.2	7
73	Measurement of differential cross sections and W+/W- cross-section ratios for W boson production in association with jets at ( sqrt{s}=8 ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
72	Measurement of the ( toverline{t}gamma ) production cross section in proton-proton collisions at ( sqrt{s}=8 ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
71	Measurements of top-quark pair to Z-boson cross-section ratios at ( sqrt{s}=13 ) , 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
70	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ( sqrt{s}=13 ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
69	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ( sqrt{s}=13 ) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
68	Studies of Z production in association with a high-mass dijet system in pp collisions at ( sqrt{s}=8 ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
67	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at ( sqrt{s}=8 ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
66	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in B+->DK*+ and B+->f0(980)K*+ decays. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	7
65	Observation of the decay B- -> D(s)((*)+) K- . <i>Physical Review Letters</i> , <b>2011</b> , 107, 041804	7.4	7
64	Time-dependent Dalitz plot analysis of B0->D?K0 decays. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	7
63	Measurement of ratios of branching fractions and CP-violating asymmetries of B+->D*K- decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	7
62	Observation of B+->K0 and measurement of its branching fraction and charge asymmetry. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	7
61	Improved measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay B0->D*+D* <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	7
60	Measurement of B decays to ?K <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	7
59	Observation of B-->eta'K* and evidence for B+->eta'rho+. <i>Physical Review Letters</i> , <b>2007</b> , 98, 051802	7.4	7

58	Precise branching ratio measurements of the decays $D^0 \rightarrow \pi^0 \pi^0$ and $D^0 \rightarrow K_S^0 \pi^0$ relative to the $D^0 \rightarrow K_S^0 \pi^+$ decay. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	7
57	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 670	4.2	7
56	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 541	4.2	7
55	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 81	4.2	7
54	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 238	4.2	6
53	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	6
52	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
51	Top-quark mass measurement in the all-hadronic ( $\overline{t}t$ ) decay channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
50	$B^0$ meson decays to $\pi^0 K^0$ , $\pi^0 K^{*0}$ , and $K^{*+}$ , including higher $K^*$ resonances. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	6
49	Search for $f(J)(2220)$ in radiative $J/\psi$ decays. <i>Physical Review Letters</i> , <b>2010</b> , 105, 172001	7.4	6
48	Observation of the rare decay $B^0 \rightarrow K_S^0 K^0 \pi^0$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	6
47	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	6
46	Search for B-meson decays to $b_1 \pi$ and $b_1 K^*$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	6
45	Observation of $B^0 \rightarrow \pi^0 K^{*0}$ and evidence for $B^+ \rightarrow \pi^0 K^{*+}$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	6
44	Study of B meson decays with excited eta and eta' mesons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 091801	7.4	6
43	Measurement of the CP asymmetry and branching fraction of $B^0 \rightarrow \rho^0 K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 051803	7.4	6
42	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 220	4.2	5
41	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , <b>2018</b> , 78, 186	4.2	5



40	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	5
39	Measurement of four-jet differential cross sections in ( $\sqrt{s}=8$ ) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-76	5-4	5
38	Branching fractions and CP-violating asymmetries in radiative B decays to $\mathbb{K}^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4-9	5
37	Evidence for $B^+ \rightarrow K^0 K^+ \pi^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4-9	5
36	Measurements of branching fractions and CP asymmetries and studies of angular distributions for $B \rightarrow \pi^0 K$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4-9	5
35	Measurement of CP asymmetries in $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4-9	5
34	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> , <b>2016</b> , 76, 375	4-2	5
33	Measurement of the relative width difference of the ( $\{B\}^0 \text{hbox{-}} \{\overline{B}\}^0$ ) system with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	5
32	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 847	4-2	5
31	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 487	4-2	5
30	Measurement of jet activity in top quark events using the eFinal state with two b-tagged jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	4
29	Evaluation of the local hadronic calibration with combined beam-test data for the endcap and forward calorimeters of ATLAS in the pseudorapidity region. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2012</b> , 688, 74-87	1-2	4
28	Search for $B^+$ meson decay to $a_1^+(1260) K^0(892)$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4-9	4
27	Observation of inclusive $D^* \pi$ production in the decay of $\Upsilon(1S)$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4-9	4
26	Observation and polarization measurement of $B^0 \rightarrow a_1(1260) a_1(1260) \pi$ decay. <i>Physical Review D</i> , <b>2009</b> , 80,	4-9	4
25	Observation of the baryonic B-decay $B^0 \rightarrow \bar{p} \pi^+ K^0$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4-9	4
24	Search for the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4-9	4
23	Measurement of the mass difference $m(B^0) - m(B^+)$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4-9	4

22	Search for $B^0 \rightarrow K^{*+} K^-$ <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	4
21	Search for the decays $B^0 \rightarrow e^+ e^-$ and $B^0 \rightarrow \mu^+ \mu^-$ <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	4
20	Observation of $B(+) \rightarrow \phi \phi K(+)$ and evidence for $B(0) \rightarrow \phi \phi K(0)$ below $\eta(c)$ threshold. <i>Physical Review Letters</i> , <b>2006</b> , 97, 261803	7.4	4
19	Search for $b \rightarrow u$ transitions in $B \rightarrow [K + \bar{D}] K$ <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	4
18	Evidence for the Rare Decay $B^+ \rightarrow D_s^+ \bar{D}$ . <i>Physical Review Letters</i> , <b>2007</b> , 98,	7.4	4
17	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 163	4.2	3
16	Measurement of the $k_t$ splitting scales in $Z \rightarrow \ell \bar{\ell}$ events in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3
15	Measurement of partial branching fractions of inclusive charmless B meson decays to $K^+$ , $K^0$ , and $\bar{D}$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	3
14	Search for $B^0$ meson decays to $\bar{D}^0 K^0 \bar{K}^0$ , $\bar{K}^0 K^0 \bar{K}^0$ , and $\bar{D}^0 K^0 K^0$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	3
13	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector <b>2015</b> , 75, 1		3
12	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider <b>2015</b> , 75, 1		3
11	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	2
10	Correlated leading baryon-antibaryon production in $e^+ e^- \rightarrow c \bar{c} \rightarrow \bar{B} + \bar{B}^0$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	2
9	Search for $B^{+-} \rightarrow D^+ K^0$ and $B^{+-} \rightarrow D^+ K^{*0}$ decays. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	2
8	Observation of the baryonic B decay $B^0 \rightarrow \bar{B}^0 + K^-$ <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	2
7	Measurement of $B \rightarrow X \gamma$ decays and determination of $ V_{td}/V_{ts} $ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 161803	7.4	2
6	Search for prompt production of $\bar{B}$ and $X(3872)$ in $e^+ e^-$ annihilations. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	2
5	Measurement of ( $W^{\pm}$ )-boson and Z-boson production cross-sections in pp collisions at ( $\sqrt{s}=2.76$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2

4	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. <i>New Journal of Physics</i> , <b>2016</b> , 18, 073021	2.9	1
3	Search for $B \rightarrow \bar{b} + X$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	1
2	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $(\sqrt{s}=8\text{ TeV})$ with the ATLAS detector <b>2016</b> , 76, 1		1
1	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> , <b>2021</b> , 81, 1	4.2	1