

## List of Publications by Citations

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493  
papers

17,314  
citations

61  
h-index

110  
g-index

528  
ext. papers

20,406  
ext. citations

5.2  
avg, IF

3.27  
L-index

#	Paper	IF	Citations
493	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , <b>2010</b> , 70, 823-874	4.2	817
492	Observation of $J/\psi$ Resonances Consistent with Pentaquark States in $[b]^{0-} \rightarrow \bar{K}^{\pm} p$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 072001	7.4	580
491	Test of lepton universality using $b \rightarrow s \ell \ell$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 151601	7.4	542
490	Deterministic switching of ferromagnetism at room temperature using an electric field. <i>Nature</i> , <b>2014</b> , 516, 370-3	50.4	449
489	Measurement of the ratio of branching fractions $B(B \rightarrow \bar{D}^{*+} \mu^{-}) / B(B \rightarrow \bar{D}^{*+} \tau^{-})$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 111803	7.4	316
488	Test of lepton universality with $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	298
487	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
486	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 292	4.2	263
485	Observation of the resonant character of the $Z(4430)^{-}$ state. <i>Physical Review Letters</i> , <b>2014</b> , 112, 222002	7.4	234
484	Angular analysis of the $B^0 \rightarrow \mu^+ \mu^-$ decay using 3 fb <sup>-1</sup> of integrated luminosity. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	232
483	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
482	Measurement of the $B_s(0) \rightarrow \mu \mu$ branching fraction and search for $B(0) \rightarrow \mu \mu$ decays at the LHCb experiment. <i>Physical Review Letters</i> , <b>2013</b> , 111, 101805	7.4	221
481	Measurement of $J/\psi$ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	216
480	Jet energy measurement with the ATLAS detector in proton-proton collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	209
479	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4.2	194
478	Luminosity determination in collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188
477	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at $\sqrt{s} = 8$ TeV in the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 6	4.2	185

476	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
475	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
474	Spin determination of single-produced resonances at hadron colliders. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	162
473	Observation of Five New Narrow $\chi_{c0}$ States Decaying to $\chi_{c1}K^{\pm}$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 182001	7.4	154
472	Jet energy resolution in proton-proton collisions at $\sqrt{s}=7$ TeV recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
471	Search for an additional, heavy Higgs boson in the $H \rightarrow \tau\tau$ decay channel at $\sqrt{s}=7$ TeV in $\sqrt{s}=7$ TeV collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 45	4.2	152
470	Performance of pile-up mitigation techniques for jets in $\sqrt{s}=7$ TeV collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 581	4.2	148
469	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	142
468	Angular analysis and differential branching fraction of the decay $B \rightarrow K^* \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	138
467	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	138
466	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2980	4.2	131
465	Observation of X(3872) production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	121
464	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	116
463	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
462	Measurement of the Ratio of Branching Fractions $B(B \rightarrow K^* \mu^+ \mu^-) / B(B \rightarrow K^* e^+ e^-)$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 121801	7.4	109
461	Measurement of the $B_{s1} \rightarrow B^* \mu^+ \mu^-$ Branching Fraction and Effective Lifetime and Search for $B^* \rightarrow B \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 191801	7.4	106
460	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
459	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	99

458	Observation of $J/\psi$ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \psi K^+$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 022003	7.4	98
457	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $[Formula: see text]$ in $[Formula: see text]$ collisions at $[Formula: see text]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 349	4.2	94
456	Evidence for Exotic Hadron Contributions to $[b^0 \rightarrow \psi \pi^0]$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082003	7.4	91
455	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
454	Measurement of $\rho$ polarization in collisions at $[Formula: see text]$ . <i>European Physical Journal C</i> , <b>2013</b> , 73, 2631	4.2	87
453	Differential branching fraction and angular analysis of the decay $(B_s^0 \rightarrow \psi \pi^0)$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	86
452	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s} = 7); \{text{TeV}\})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	86
451	Model-Independent Evidence for $J/\psi$ Contributions to $[b^0 \rightarrow \psi K^0]$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082002	7.4	85
450	Measurement of production in collisions at $[Formula: see text]$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 2025	4.2	83
449	Measurement of the $Z/\psi$ 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
448	Measurement of the fragmentation fraction ratio $f_s/f_d$ and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	78
447	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 061801	7.4	75
446	Search for Majorana neutrinos in $B^- \rightarrow \psi \pi^0$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 131802	7.4	70
445	Measurement of CP violation in the phase space of $B^0 \rightarrow \psi \pi^0$ and $B^0 \rightarrow \psi K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 111, 101801	7.4	70
444	Study of D J meson decays to $D^+ \pi^0 \pi^0$ and $D^{*+} \pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	69
443	Searches for scalar leptoquarks in collisions at $[Formula: see text] = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 5	4.2	68
442	Search for Higgs boson pair production in the $[Formula: see text]$ final state from collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 412	4.2	66
441	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

440	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
439	Measurements of prompt charm production cross-sections in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	65
438	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^{*0} \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 161802	7.4	65
437	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
436	Search for Structure in the $B_{s^0} \rightarrow \mu^+ \mu^-$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , <b>2016</b> , 117, 152003	7.4	64
435	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 291	4.2	63
434	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \ell^+ \ell^-$ decay. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	63
433	Measurement of ( $\eta$ ) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2100	4.2	63
432	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
431	Measurement of CP violation in the phase space of $B_{\mu^+ \mu^-} \rightarrow K^+ K^- \mu^+ \mu^-$ and $B_{\mu^+ \mu^-} \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 011801	7.4	61
430	Observation of overlapping spin-1 and spin-3 D0K <sup>-</sup> resonances at mass 2.86 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2014</b> , 113, 162001	7.4	61
429	Study of $J/\psi$ production and cold nuclear matter effects in pPb collisions at ( $\sqrt{s_{NN}} = 5$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	60
428	Inclusive W and Z production in the forward region at ( $\sqrt{s} = 7, \text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	60
427	Measurement of the isospin asymmetry in $B \rightarrow K^{*0} \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	59
426	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
425	Production of $J/\psi$ and ( $\varphi$ ) mesons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	58
424	A search for ( $\overline{t}$ ) resonances using lepton-plus-jets events in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	57
423	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

4 <sup>22</sup>	Precision measurement and interpretation of inclusive $b \rightarrow s$ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4.2	56
4 <sup>21</sup>	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
4 <sup>20</sup>	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
4 <sup>19</sup>	Precision measurement of CP violation in $B(S)(0) \rightarrow \bar{B} + K^-$ decays. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041801	7.4	53
4 <sup>18</sup>	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4.2	53
4 <sup>17</sup>	Search for new phenomena in events with at least three photons collected in collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 210	4.2	53
4 <sup>16</sup>	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	53
4 <sup>15</sup>	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
4 <sup>14</sup>	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
4 <sup>13</sup>	Search for dark matter at $\sqrt{s}=13$ TeV 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
4 <sup>12</sup>	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
4 <sup>11</sup>	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 303	4.2	49
4 <sup>10</sup>	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
4 <sup>09</sup>	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4.2	48
4 <sup>08</sup>	Search for supersymmetry at $\sqrt{s}=13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 259	4.2	48
4 <sup>07</sup>	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \pi^0$ decays and the $B^0 \rightarrow K^+ K^- \pi^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	48
4 <sup>06</sup>	Measurement of the prompt $J/\psi$ pair production cross-section in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 76	4.2	47
4 <sup>05</sup>	Measurement of forward $J/\psi$ production cross-sections in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	47

404	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
403	Search for lepton-flavour-violating H $\rightarrow$ H decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	46
402	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
401	Measurement of B meson production cross-sections in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	45
400	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
399	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
398	Measurement of the cross-section for Z $\rightarrow$ e $^+$ e $^-$ production in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	43
397	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
396	ATLAS b-jet identification performance and efficiency measurement with ( $t\bar{t}$ ) events in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	43
395	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
394	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
393	Measurement of CP asymmetry in D $^0$ $\rightarrow$ K $^+$ and D $^0$ $\rightarrow$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	42
392	Measurement of the exclusive $\bar{p}$ production cross-section in pp collisions at ( $\sqrt{s}=7$ ) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	42
391	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
390	First observation of the decay Bs $^{*}(5840)(0)$ -B $^{*+}$ K $^-$ and studies of excited Bs(0) mesons. <i>Physical Review Letters</i> , <b>2013</b> , 110, 151803	7.4	42
389	Measurement of the [Formula: see text] production cross-section in proton-proton collisions via the decay [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 311	4.2	41
388	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
387	Search for the doubly charmed baryon ( $\Xi_{cc}^{++}$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	41

386	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
385	Search for the Decays $B_{s}^{0} \rightarrow B^{+} \mu^{-}$ and $B^{0} \rightarrow B^{+} \mu^{-}$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 251802	7.4	40
384	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
383	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2022	4.2	39
382	Performance of algorithms that reconstruct missing transverse momentum in [Formula: see text]= 8 TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 241	4.2	38
381	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $(\sqrt{s} = 13)$ (text {TeV}). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	37
380	Jet production rates in association with W and Z bosons in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
379	Charged-particle distributions at low transverse momentum in [Formula: see text]TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 502	4.2	37
378	Measurement of the b-Quark Production Cross Section in 7 and 13TeV pp Collisions. <i>Physical Review Letters</i> , <b>2017</b> , 118, 052002	7.4	36
377	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^{*} \rightarrow 4\mu$ 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
376	First observation of the decay $(B_{c}^{+} \rightarrow [J \text{ left/ } \{\{\psi \{K^{+}\}\}\} \text{ right.}])$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	36
375	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 224	4.2	35
374	Measurement of $B_{c}^{+}$ Production in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2015</b> , 114, 132001	7.4	35
373	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
372	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2872	4.2	35
371	Observation of two new $(b)(-)$ baryon resonances. <i>Physical Review Letters</i> , <b>2015</b> , 114, 062004	7.4	35
370	First observation of the decay $B^{+} \rightarrow \mu^{+} \mu^{0}$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	35
369	Measurement of $D^0$ - $\bar{D}^0$ mixing parameters and search for CP violation using $D^0 \rightarrow \mu^{+} \mu^{-}$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 111, 251801	7.4	34



368	Study of the $D^0 p$ amplitude in $D^0 b \rightarrow D^0 p \mu \mu$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	33
367	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
366	Search for charged Higgs bosons in the $H \rightarrow \tau b$ 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
365	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb <sup>-1</sup> of $(\sqrt{s}=13)$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	33
364	Measurement of the top quark mass in the $[t \rightarrow W^+ b]$ and $[t \rightarrow W^+ c]$ channels using $[t \rightarrow W^+ b]$ ATLAS data. <i>European Physical Journal C</i> , <b>2015</b> , 75, 330	4-2	32
363	Measurement of the $[B^0]$ meson lifetime using $[B^0 \rightarrow \tau^+ \nu_\tau]$ decays. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2839	4-2	32
362	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , <b>2013</b> , 111, 102003	7-4	32
361	Search for pair production of Higgs bosons in the $(\overline{b}b)$ final state using proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	31
360	Constraints on mediator-based dark matter and scalar dark energy models using $(\sqrt{s}) = 13$ TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	31
359	Measurement of the relative rate of prompt $t_0, t_1$ and $t_2$ production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	31
358	Measurement of the forward Z boson production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	31
357	Measurements of b-jet tagging efficiency with the ATLAS detector using $(\overline{t}t)$ events at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	31
356	Study of the kinematic dependences of $D^0 b$ production in pp collisions and a measurement of the $D^0 b \rightarrow D^0 c$ branching fraction. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	30
355	Precision measurement of the mass and lifetime of the $(\Lambda_b(0))$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 032001	7-4	30
354	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	30
353	Observation of the $D^0 b \rightarrow D^0 p \mu \mu$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	29
352	Observation of photon polarization in the $b \rightarrow s \gamma$ transition. <i>Physical Review Letters</i> , <b>2014</b> , 112, 161801	7-4	29
351	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 332	4-2	29

350	Measurement of the semileptonic CP asymmetry in $B_0$ - $B_0$ mixing. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041601	7.4	28
349	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 295	4.2	28
348	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
347	Measurement of $J/\psi$ production in pp collisions at ( $\sqrt{s}=2.76;\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	28
346	Search for minimal supersymmetric standard model Higgs Bosons $A^0$ 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
345	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
344	Study of prompt $D^0$ meson production in pPb collisions at ( $\sqrt{s_{\text{NN}}}=5$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
343	Addendum: Observation of double charm production involving open charm in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	27
342	Study of ( $\varUpsilon$ ) production and cold nuclear matter effects in pPb collisions at ( $\sqrt{s_{\text{NN}}}$ ) = 5 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	27
341	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
340	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	26
339	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2015</b> , 75, 152	4.2	26
338	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
337	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
336	Precision measurement of the mass and lifetime of the $\Lambda_b^0$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 242002	7.4	26
335	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
334	Measurement of the phase difference between short- and long-distance amplitudes in the [Formula: see text] decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 161	4.2	25
333	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

332	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 116, 191601	7.4	25
331	First measurement of time-dependent CP violation in $(B_s^0 \rightarrow K^+ K^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	25
330	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
329	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
328	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 547	4.2	25
327	Production of associated $\Upsilon$ and open charm hadrons in pp collisions at $(\sqrt{s}=7)$ and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	25
326	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
325	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
324	Measurement of charged particle multiplicities in pp collisions at $(\sqrt{s}=7 \sim \text{TeV})$ in the forward region. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
323	First observation of a baryonic $B_c^+$ decay. <i>Physical Review Letters</i> , <b>2014</b> , 113, 152003	7.4	24
322	Search for single production of vector-like quarks decaying into in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 442	4.2	24
321	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2017</b> , 77, 812	4.2	23
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319	Measurement of the CKM angle $\Gamma$ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	23
318	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
317	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
316	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
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314	Search for heavy long-lived multi-charged particles in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 362	4.2	22
313	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241601	7.4	22
312	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
311	Measurement of the $B^0 \rightarrow e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	22
310	Observation of the Decays $B^0 \rightarrow \mu^+ \mu^- p K^+$ and $B^0 \rightarrow \mu^+ \mu^- p K^+$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 062001	7.4	22
309	Measurement of CP Violation in $B^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 031601	7.4	22
308	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
307	Measurement of the forward-backward asymmetry in $Z/\mu \rightarrow \mu\mu$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
306	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
305	Measurement of mixing and CP violation parameters in two-body charm decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	22
304	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 66	4.2	21
303	Measurements of fiducial cross-sections for $Z/\mu$ production with one or two additional jets in collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 11	4.2	21
302	Forward production of D mesons in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	21
301	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
300	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
299	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
298	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
297	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

296	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text]TeV in the forward region. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2888	4.2	20
295	Observation of the decay $(B_c^{+}) \rightarrow J/\psi + K^0$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	20
294	Study of $J/\psi$ Production in Jets. <i>Physical Review Letters</i> , <b>2017</b> , 118, 192001	7.4	20
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292	Study of forward Z + jet production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	20
291	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	20
290	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at [Formula: see text] = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 565	4.2	20
289	Measurement of the boson polarisation in [Formula: see text] events from collisions at [Formula: see text] = 8 TeV in the lepton+jet channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4.2	19
288	Performance of top-quark and (varvec{W})-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	19
287	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2462	4.2	19
286	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
285	Measurement of the CKM angle $\phi_1$ using $B^0 \rightarrow DK^0$ with $D \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	19
284	Measurement of the $B^0$ production cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	19
283	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 403	4.2	19
282	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 081801	7.4	18
281	Measurement of the CP Asymmetry in $B_{s^0} \rightarrow B_{s^0}$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 117, 061803	7.4	18
280	Searches for $(\Lambda_b^0)$ and $(\Xi_b^0)$ decays to $(K_{\text{S}}^0 p \pi^{\pm})$ and $(K_{\text{S}}^0 p K^{\pm})$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{S}}^0 p \pi^{\pm})$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
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278	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
277	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
276	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 041801	7.4	18
275	Measurement of relative branching fractions of decays to $(2)$ and $1$ mesons. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2118	4.2	18
274	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
273	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2421	4.2	17
272	Measurement of forward $Z \rightarrow e^+e^-$ production at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	17
271	Measurement of the CP-violating phase $\phi_s$ in $B_s(0) \rightarrow D_s(+)/D_s(-)$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 211801	7.4	17
270	Observation of $B(s)(0) \rightarrow J/\psi(1285)$ decays and measurement of the $\phi(1285)$ mixing angle. <i>Physical Review Letters</i> , <b>2014</b> , 112, 091802	7.4	17
269	Measurement of the $B(3P)$ mass and of the relative rate of $B(1P)$ and $B(2P)$ production. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
268	Measurement of the fraction of $\psi(1S)$ originating from $B(1P)$ decays in pp collisions at $(\sqrt{s}=7, \text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	17
267	Search for a scalar partner of the top quark in the all-hadronic ( $t\bar{t}$ ) plus missing transverse momentum final state at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	17
266	Observations of $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^-$ decays and searches for other $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^-$ decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	17
265	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 517	4.2	17
264	Angular moments of the decay $B^0 \rightarrow K^+ K^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
263	First Experimental Study of Photon Polarization in Radiative $B_{s^0}$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 021801	7.4	16
262	First Observation of $D^0 \rightarrow D^0$ Oscillations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241801	7.4	16
261	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

260	Search for the Standard Model Higgs boson decaying into ( $\overline{b}$ ) 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
259	Near-threshold ( $\overline{D}D$ ) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	16
258	Evidence for the decay ( $B_c^+ \rightarrow J/\psi \psi^+ \psi^-$ ). <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
257	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
256	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , <b>2015</b> , 115, 112004	5.4	16
255	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
254	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
253	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , <b>2016</b> , 76, 664	4.2	16
252	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
251	Search for the Higgs boson produced in association with a boson and decaying to four -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
250	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
249	Measurement of fiducial and differential ( $W^+W^-$ ) production cross-sections at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
248	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at ( $\sqrt{s_{NN}} = 5.02 \sim 6.77$ TeV ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
247	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
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245	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	15
244	Measurements of $\chi(3512)$ and $X(3872) \rightarrow J/\psi \chi$ production in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
243	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

242	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , <b>2014</b> , 113, 082003	7.4	15
241	Observation of $\Lambda_b \rightarrow \Lambda \mu^+ \mu^-$ and $\Lambda_b \rightarrow \Lambda \tau^+ \tau^-$ decays and a measurement of the $\Lambda_b$ baryon mass. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	15
240	Evidence for the decay $(B_s^0 \rightarrow \overline{K}^0 \mu^+ \mu^-)$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
239	Measurement of the $[ \text{Formula: see text} ]$ and $[ \text{Formula: see text} ]$ production cross sections in multilepton final states using 3.2 fb $[ \text{Formula: see text} ]$ of $[ \text{Formula: see text} ]$ collisions at $[ \text{Formula: see text} ] = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 40	4.2	14
238	Measurements of electroweak $[ \text{Formula: see text} ]$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 474	4.2	14
237	Precise measurements of the properties of the $B(5721)_{0,+}$ and $B^*(5747)_{0,+}$ states and observation of $B_{c,0}$ mass structures. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
236	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
235	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
234	Search for CP violation in $D \rightarrow \mu^+ \mu^-$ and $(D_s^+ \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
233	Evidence for the Strangeness-Changing Weak Decay $[b^{\prime} \rightarrow \overline{b}^{\prime}]$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 241801	7.4	14
232	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow W^* W^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
231	Evidence for CP violation in $B^+ \rightarrow \mu^+ \mu^- K^+$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 141801	7.4	14
230	Measurement of the forward W boson cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	14
229	First measurement of the CP-violating phase in $B_s(0) \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 110, 241801	7.4	14
228	Measurements of top-quark pair differential cross-sections in the $[ \text{Formula: see text} ]$ channel in collisions at $[ \text{Formula: see text} ]$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 292	4.2	13
227	Search for triboson $[ \text{Formula: see text} ]$ production in collisions at $[ \text{Formula: see text} ]$ $[ \text{Formula: see text} ]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 141	4.2	13
226	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
225	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^* \rightarrow e\mu$ with the ATLAS detector at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13



224	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
223	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
222	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 4	4-2	13
221	A study of the Z production cross-section in pp collisions at ( $\sqrt{s}=7, \text{TeV}$ ) using tau final states. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	13
220	Observation of $B_{c}^{+} \rightarrow D^{0} K^{+}$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 111803	7-4	13
219	Resonances and CP violation in $B^0_s$ and ( $\overline{B}_s^0 \rightarrow J/\psi K^{+} K^{-}$ ) decays in the mass region above the $\psi(1020)$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	13
218	Measurement of the inelastic pp cross-section at a centre-of-mass energy of ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	13
217	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
216	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at ( $\sqrt{s}=13$ ) TeV. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	13
215	Measurement of the forward Z boson production cross-section in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	13
214	Measurements of top-quark pair differential and double-differential cross-sections in the ( $\ell\ell$ )+jets channel with pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	13
213	Higgs boson production cross-section measurements and their EFT interpretation in the ( $4\ell\ell$ ) decay channel at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	12
212	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
211	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
210	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
209	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
208	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
207	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	12

206	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
205	Measurements of top quark spin observables in ( $\overline{t}$ ) events using dilepton final states in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
204	Measurement of CP violation parameters and polarisation fractions in ( $\overline{B}_s \rightarrow \overline{B}_s^0 \rightarrow \text{J}/\psi \overline{K}^0$ ) decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
203	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow \overline{D}^- D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , <b>2014</b> , 112, 111802	7.4	12
202	Measurement of $V_0$ production ratios in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	12
201	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
200	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at ( $\sqrt{s}=8$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	11
199	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^0$ in the $K^*0, 2(1430)0$ region. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	11
198	Measurement of the CP Violation Parameter $A_{FB}^0$ in $D^+ \rightarrow K^+ K^- K^+$ and $D^+ \rightarrow \pi^+ \pi^- \pi^+$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 261803	7.4	11
197	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
196	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^- K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	11
195	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 443	4.2	11
194	Jet energy scale and resolution measured in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	11
193	Study of charmonium production in hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 609	4.2	10
192	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
191	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
190	Measurement of the CP-violating phase $\phi_s$ and the $B^0$ meson decay width difference with $B^0 \rightarrow J/\psi K^0$ decays in ATLAS. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
189	Study of $(\overline{2S})$ production and cold nuclear matter effects in pPb collisions at ( $\sqrt{s_{NN}}=5$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10

188	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	10
187	Search for the rare decay ( $K_{\text{S}}^0 \rightarrow \mu^+ \mu^-$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	10
186	Measurement of $B_{\text{s}}^0$ and $D_{\text{s}}^{\pm}$ Meson Lifetimes. <i>Physical Review Letters</i> , <b>2017</b> , 119, 101801	7.4	10
185	Observation of the suppressed decay $B \rightarrow \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
184	First Observation of a Baryonic $B_{\text{s}}^0$ Decay. <i>Physical Review Letters</i> , <b>2017</b> , 119, 041802	7.4	10
183	Search for the decay ( $B_{\text{s}}^0 \rightarrow \overline{D}^0 f_0(980)$ ). <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	10
182	Measurement of the $B_{\text{c}}$ meson lifetime in $D_{\text{s}}^{\pm}$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 172001	7.4	10
181	Measurement of CP asymmetry in $B^0 \rightarrow D^{\pm} K^{\mp}$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	10
180	Prompt $\text{B}^{\pm} \text{c}$ production in pPb collisions at ( $\sqrt{s_{\text{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
179	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
178	Measurement of the ( $\eta_{\text{c}}$ ) ( $1S$ ) production cross-section in (p) (p) collisions at ( $\sqrt{s} = 13$ ) (, text {TeV}). <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
177	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	9
176	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(\ell)$ decay channel at ( $\sqrt{s}$ ) = 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
175	Measurement of the CKM angle $\alpha$ using $B^{\pm} \rightarrow D K^{\mp}$ with $D \rightarrow K^0 S^{\pm} K^{\mp} K^{\pm}$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
174	Search for the rare decay ( $B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_{\mu}$ ). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	8
173	Measurement of $V_{\text{H}}$ , ( $\text{H} \rightarrow \overline{\text{b}} \text{b}$ ) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
172	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in ( $\sqrt{s}$ ) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
171	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8

170	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
169	Measurement of branching fractions of charmless four-body $B \rightarrow b$ and $B \rightarrow b$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
168	Evidence for the Rare Decay $B \rightarrow p \bar{p} \pi^0$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 221803	7.4	8
167	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^*(892)^0$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	8
166	Measurement of splitting scales in $\tau$ -events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
165	$\chi_{c1}$ and $\chi_{c2}$ Resonance Parameters with the Decays $B \rightarrow \chi_{c1,c2} \gamma / \pi^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 221801	7.4	8
164	Measurement of the $B^0 \rightarrow \tau^+ \tau^-$ branching fraction and search for the decay $B^0 \rightarrow \tau^+ \tau^-$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	8
163	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , <b>2015</b> , 75, 595	4.2	8
162	Search for CP violation in $D \rightarrow K^0 S K^0$ and $D \rightarrow s^- K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	8
161	Evidence for $(t\bar{t})$ production in the multilepton final state in proton-proton collisions at $(\sqrt{s}=13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
160	Search for light long-lived neutral particles produced in pp collisions at $(\sqrt{s} = 13 \text{ TeV})$ and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
159	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
158	Measurements of top-quark pair spin correlations in the $(e\mu)$ channel at $(\sqrt{s} = 13)$ TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
157	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
156	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+e^-e^+e^-)$ and $(e^+e^-e^+\nu_{\bar{\nu}})$ final states using $139 \text{ fb}^{-1}$ of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	8
155	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
154	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
153	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8

152	Measurement of forward $W \rightarrow \tau \nu$ production in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
151	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb <sup>-1</sup> of $(\sqrt{s}) = 13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
150	Study of $\tau$ production in pPb collisions at $(\sqrt{s_{\text{NN}}}=8.16)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
149	Observation of the Decay $B^0 \rightarrow \rho^+ K^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 071801	7.4	7
148	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 678	4.2	7
147	Measurement of the Z+b-jet cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV in the forward region. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	7
146	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $(\sqrt{s}) = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	7
145	Transverse momentum and process dependent azimuthal anisotropies in $(\sqrt{s_{\text{NN}}}=8.16)$ TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
144	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4.2	7
143	Study of $D^*(*) + sJ$ mesons decaying to $D^* + K^0_S$ and $D^* K^+ +$ final states. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7
142	Observation of the $B^0 \rightarrow \rho^+ \rho^-$ decay. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7
141	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
140	Updated measurement of time-dependent (CP)-violating observables in $(B^0 \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
139	First observation of the decay $(B^0 \rightarrow \phi \overline{K}^0)$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	7
138	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
137	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
136	Observation of the $B(s) \rightarrow \mu^+ \mu^-$ Decay. <i>Physical Review Letters</i> , <b>2015</b> , 115, 051801	7.4	7
135	First observations of the rare decays $B^+ \rightarrow \mu^+ \tau^+ \nu_\tau$ and $B^+ \rightarrow \tau^+ \nu_\tau$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	7

134	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
133	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at ( $\sqrt{s} = 13$ , {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
132	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the ( $\ell\ell$ $\ell\ell$ $bb$ ) and ( $\ell\ell$ $WW$ ) final states in pp collisions at ( $\sqrt{s}=13$ ) (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
131	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
130	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
129	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
128	Measurement of ( $W^{\pm}$ ) boson production in Pb+Pb collisions at ( $\sqrt{s_{\text{NN}}}$ ) = 5.02~text {T}text {V}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
127	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
126	Measurements of WH and ZH production in the ( $H \rightarrow b\bar{b}$ ) decay channel in pp collisions at (13, text {T}text {V}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
125	Search for a dimuon resonance in the ? mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
124	Search for CP violation using triple product asymmetries in $B \rightarrow b \rightarrow pK\bar{K}$ and $B \rightarrow 0 b \rightarrow pK\bar{K}$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
123	Amplitude Analysis of the Decay $B \rightarrow \bar{K}^0 \bar{K}^0$ and First Observation of the CP Asymmetry in $B \rightarrow \bar{K}^0 \bar{K}^0$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 261801	7.4	7
122	First measurement of the CP-violating phase ( $\phi_s^{\text{d}})$ in $B \rightarrow s \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
121	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
120	Measurements of CP asymmetries in charmless four-body ( $\Lambda^0_b$ ) and ( $\Xi^0_b$ ) decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	6
119	Measurement of CP observables in $B \rightarrow DK^0$ with $D \rightarrow K^+ K^-$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	6
118	Searches for ( $B_{(s)}^0 \rightarrow J/\psi p$ ) and $B^+ \rightarrow J/\psi p$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	6
117	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

116	Top-quark mass measurement in the all-hadronic ( $\overline{t}$ ) decay channel at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
115	Measurement of the $Y(nS)$ polarizations in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
114	Measurement of CP asymmetries and polarisation fractions in ( $B_s^0 \rightarrow \overline{K}^0$ ) decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
113	Search for the $B_b \rightarrow \overline{D}^0$ and $B_b \rightarrow \overline{D}^+ D^-$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
112	Search for ( $\overline{t}$ ) resonances in fully hadronic final states in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	6
111	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
110	Search for new phenomena in final states with b-jets and missing transverse momentum in ( $\sqrt{s}$ ) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
109	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
108	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , <b>2016</b> , 76, 412	4.2	6
107	Measurement of CP Violation in $B^0 \rightarrow \overline{D}^+ D^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 261801	7.4	6
106	Model-independent measurement of the CKM angle $\beta$ using $B^0 \rightarrow \overline{D}^0 K^0$ decays with $D \rightarrow \overline{K}^0 S^0$ and $K^0 S^0 K^+ K^-$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	6
105	Measurement of $\chi$ production in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
104	First observation of $B^+ \rightarrow \overline{D}^0 + s^+ K^+ K^-$ decays and a search for $B^+ \rightarrow \overline{D}^0 + s^+ \chi$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
103	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
102	Observation of the ( $\Lambda_{\text{b}}^0 \rightarrow \overline{\chi}_{\text{c}1}$ ) (3872) pK decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
101	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at ( $\sqrt{s}$ ) = 13 and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
100	Observation of $B_{\text{s}}^0 \rightarrow \overline{D}^0 K_{\text{S}}^0$ and Evidence for $B_{\text{s}}^0 \rightarrow \overline{D}^0 K_{\text{S}}^*$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 116, 161802	7.4	5
99	Amplitude analysis of $B^0 \rightarrow \overline{K}^0 S^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5

98	Observation of the $B^0 \rightarrow J/\psi K_S^0$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	5
97	Study of $(\overline{b}b)$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	5
96	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
95	Determination of the branching fractions of $B^0 \rightarrow \tau^+ K^-$ and $B^0 \rightarrow \tau^+ B^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	5
94	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	5
93	Search for the $HH \rightarrow \overline{b}b$ process via vector-boson fusion production using proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	5
92	Observation of the associated production of a top quark and a Z boson in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	5
91	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	5
90	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	5
89	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
88	Measurement of the ratio of branching fractions $(\frac{\mathcal{B}(\overline{B} \rightarrow \tau^+ c^+)}{\mathcal{B}(\overline{B} \rightarrow \tau^+ J^+)}) / (\frac{\mathcal{B}(B \rightarrow \tau^+ c^+)}{\mathcal{B}(B \rightarrow \tau^+ J^+)})$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	5
87	Measurement of the relative width difference of the $(\overline{B}^0)$ system with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	5
86	A search for $(\Xi_{cc}^{++}) \rightarrow p K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	5
85	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	5
84	Search for dark matter in association with an energetic photon in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	5
83	Observation of the decay $\Omega_b^- \rightarrow \tau^- p$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	5
82	Observation of [Formula: see text] and [Formula: see text] decays. <i>European Physical Journal C</i> , <b>2017</b> , 77, 72	4-2	4
81	Measurement of CP asymmetry in $B^0 \rightarrow \tau^+ s^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	4



80	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
79	Dalitz plot analysis of the $D^+ \rightarrow \bar{K}^0 K^+$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	4
78	Limits on neutral Higgs boson production in the forward region in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	4
77	New algorithms for identifying the flavour of [Formula: see text] mesons using pions and protons. <i>European Physical Journal C</i> , <b>2017</b> , 77, 238	4-2	4
76	Evidence for the two-body charmless baryonic decay ( $\{B\}^+ \rightarrow \overline{\text{p}} \Lambda^0$ ). <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	4
75	Measurement of CP observables in $B_{\text{d}}^0 \rightarrow \bar{D}^* K_{\text{d}}^0$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	4
74	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \bar{D}^* K_{\text{d}}^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	4
73	Search for heavy diboson resonances in semileptonic final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	4
72	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	4
71	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	4
70	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \bar{K}^0 S^0 K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	4
69	Measurement of forward top pair production in the dilepton channel in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	4
68	Measurement of $D_{\text{d}}^0$ production asymmetry in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	4
67	Search for dark matter produced in association with a single top quark in ( $\sqrt{s}=13$ ) TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	4
66	Search for dijet resonances in events with an isolated charged lepton using ( $\sqrt{s}) = 13$ TeV proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	3
65	First observation of the decay $B^0 \rightarrow \bar{K}^0 S^0 K^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	3
64	Amplitude analysis of the ( $\{B\}_{\text{d}}^0 \rightarrow \{K\}^{\text{ast } 0} \overline{\{K\}}^{\text{ast } 0}$ ) decays and measurement of the branching fraction of the ( $\{B\}^0 \rightarrow \{K\}^{\text{ast } 0} \overline{\{K\}}^{\text{ast } 0}$ ) decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	3
63	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	3

62	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector <b>2015</b> , 75, 1		3
61	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider <b>2015</b> , 75, 1		3
60	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
59	Reconstruction and identification of boosted di-photon systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3
58	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	3
57	Measurement of hadronic event shapes in high- $p_T$ multijet final states at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	3
56	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1008	4.2	3
55	Observation of the doubly Cabibbo-suppressed decay $B_c \rightarrow \rho^0 \tau^+ \nu_\tau$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
54	Search for CP violation through an amplitude analysis of $D^0 \rightarrow \pi^+ K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
53	Measurement of the $Z \rightarrow \mu\mu$ production cross-section in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
52	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \pi^0 \ell^+ \ell^-$ and $B \rightarrow \rho^0 \ell^+ \ell^-$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	2
51	Study of the $B^0 \rightarrow \pi^0 K^*(892)^0$ decay with an amplitude analysis of $B^0 \rightarrow \pi^0 (K^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
50	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	2
49	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13\text{ TeV}$ proton-proton collision data. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
48	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
47	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13\text{ TeV}$ <b>2016</b> , 2016, 1		2
46	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7\text{ TeV}$ <b>2012</b> , 2012, 1		2
45	Measurements of the S-wave fraction in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow \pi^+ (892)^0 \pi^-$ differential branching fraction <b>2016</b> , 2016, 1		2

44	Measurements of inclusive and differential cross-sections of combined ( $\overline{t}\gamma$ ) and $tW$ production in the $e\bar{e}$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
43	Measurement of isolated-photon plus two-jet production in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
42	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
41	Search for supersymmetry in events with four or more charged leptons in 139 fb <sup>-1</sup> of ( $\sqrt{s}$ ) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
40	Measurement of Z $\rightarrow$ $\mu\mu$ production in proton-proton collisions at ( $\sqrt{\text{mathrm}\{s\}}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
39	Measurement of CP violation in $B^0 \rightarrow D^* \mu$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
38	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at ( $\sqrt{\text{mathrm}\{s\}} = 13$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
37	Measurement of CP observables in the process $B^0 \rightarrow DK^*0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
36	A search for an excited muon decaying to a muon and two jets in pp collisions at ( $\sqrt{s}=8$ ;{rm\{TeV\}}\$) with the ATLAS detector. <i>New Journal of Physics</i> , <b>2016</b> , 18, 073021	2.9	1
35	Measurement of the ratio of branching fractions of the decays $B \rightarrow \mu^+ \mu^- S$ and $B \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
34	Measurement of the branching fraction and (C)P asymmetry in $(B^+ \rightarrow J/\psi \rho^+)$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	1
33	Search for the $B^0_s \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	1
32	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ( $\sqrt{s}=8$ ,{mathrm\{TeV\}}) with the ATLAS detector <b>2016</b> , 76, 1		1
31	Search for top squarks in events with a Higgs or Z boson using 139 fb <sup>-1</sup> of pp collision data at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	1
30	Measurement of differential cross sections for single diffractive dissociation in ( $\sqrt{s}$ ) = 8 TeV pp collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
29	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
28	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
27	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W$ and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1

26	A search for the decays of stopped long-lived particles at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
25	Measurement of the CP asymmetry in $B \rightarrow D$ and $B \rightarrow D^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	1
24	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
23	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
22	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
21	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
20	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
19	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and $13$ TeV. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	1
18	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
17	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
16	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $13 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
15	Measurement of the $t\bar{t}$ production cross section in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
14	Measurements of $W+W$ jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
13	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $(\sqrt{s}=13, \text{TeV})$ . <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
12	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
11	Measurement of CP violation in the $(B_s^0 \rightarrow \phi \phi)$ decay and search for the $B_0 \rightarrow \tau \tau$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	0
10	Observation of the decay $(\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-)$ in the $\tau$ mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	0
9	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0

8	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb <sup>-1</sup> of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	○
7	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , <b>2022</b> , 6, 1	6	○
6	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau} \nu_{\tau}$ events in Run 2 data. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	○
5	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
4	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
3	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
2	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow \mu \mu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
1	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	