

# Marcella Capua

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

681  
papers

22,920  
citations

68  
h-index

110  
g-index

712  
ext. papers

26,173  
ext. citations

4.5  
avg, IF

1.99  
L-index

#	Paper	IF	Citations
681	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , <b>2010</b> , 70, 823-874	4.2	817
680	Combined measurement and QCD analysis of the inclusive $e^-p$ scattering cross sections at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	370
679	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4.2	276
678	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
677	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 292	4.2	263
676	Combination of measurements of inclusive deep inelastic ( $e^{\pm}p$ ) scattering cross sections and QCD analysis of HERA data. <i>European Physical Journal C</i> , <b>2015</b> , 75, 1	4.2	249
675	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
674	Performance of missing transverse momentum reconstruction in proton-proton collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with ATLAS. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	217
673	Jet energy measurement with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	209
672	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 299	4.2	202
671	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	199
670	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4.2	194
669	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188
668	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 6	4.2	185
667	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
666	Luminosity determination in pp collisions at ( $\sqrt{s} = 7$ ) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	167
665	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

664	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2941	4.2	160
663	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	160
662	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
661	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 45	4.2	152
660	Evidence for a narrow baryonic state decaying to $K^0_S p$ and $K^0_S \bar{p}$ in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 591, 7-22	4.2	150
659	Measurement of the proton structure function $F_2$ at very low $Q^2$ at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 487, 53-73	4.2	149
658	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 581	4.2	148
657	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ( $\sqrt{s_{NN}}$ ) = 2.76 TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	143
656	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
655	Measurement of the $F_2$ structure function in deep inelastic $e + p$ scattering using 1994 data from the ZEUS detector at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 399-424		132
654	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	126
653	ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	126
652	Exclusive electroproduction of $J/\psi$ mesons at HERA. <i>Nuclear Physics B</i> , <b>2004</b> , 695, 3-37	2.8	125
651	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	124
650	Measurement of the proton structure function $F_2$ and at low and very low $x$ at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 407, 432-448	4.2	123
649	Comparison of ZEUS data with standard model predictions for $e + p \rightarrow e + X$ scattering at high $x$ and $Q^2$ . <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 74, 207-220		123
648	Measurement of deeply virtual Compton scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 573, 46-62	4.2	123
647	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	120

646	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	114
645	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \bar{\nu}_n (\text{toverline } t)$ events using pp collision data at ( $\sqrt{s} = 7; \text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	112
644	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
643	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using ( $\sqrt{s}=8$ ) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	108
642	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3109	4.2	107
641	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
640	Search for doubly charged Higgs bosons in like-sign dilepton final states at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	104
639	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	103
638	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	101
637	Measurement of the diffractive structure function in deep inelastic scattering at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 68, 569-584		97
636	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
635	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	92
634	Measurement of $D^* \bar{p}$ production in deep inelastic $e \bar{p}$ scattering at DESY HERA. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	92
633	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
632	Measurement of elastic $\gamma$ photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 437, 432-444	4.2	87
631	production in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 407, 402-418	4.2	85
630	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4.2	82
629	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , <b>2010</b> , 70, 1193-1236		82

628	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb <sup>-1</sup> of pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	81
627	Measurement of the Z/ $\gamma$ boson transverse momentum distribution in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	79
626	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2039	4.2	78
625	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2056	4.2	78
624	Search for single-top production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 559, 153-170	4.2	77
623	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	76
622	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2465	4.2	76
621	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	74
620	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 209	4.2	73
619	Measurement of elastic $\gamma$ photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 377, 259-272	4.2	73
618	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	72
617	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2509	4.2	71
616	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ( $\sqrt{s} = 7$ mbox{~TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	70
615	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , <b>2010</b> , 70, 787-821	4.2	70
614	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
613	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	67
612	Jet mass and substructure of inclusive jets in ( $\sqrt{s} = 7$ ; {text{TeV}}) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	67
611	Study of deep inelastic inclusive and diffractive scattering with the ZEUS forward plug calorimeter. <i>Nuclear Physics B</i> , <b>2005</b> , 713, 3-80	2.8	67

610	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
609	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
608	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
607	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	65
606	Exclusive $\gamma\gamma$ production in deep inelastic electron-proton scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 356, 601-616	4.2	65
605	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
604	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	64
603	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
602	Exclusive photoproduction of $\gamma$ mesons at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 680, 4-12	4.2	63
601	Exclusive electroproduction of $\gamma$ mesons at HERA. <i>Nuclear Physics B</i> , <b>2005</b> , 718, 3-31	2.8	63
600	Inclusive jet cross sections in the Breit frame in neutral current deep inelastic scattering at HERA and determination of $\beta_s$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 547, 164-180	4.2	63
599	Leading neutron production in e+p collisions at HERA. <i>Nuclear Physics B</i> , <b>2002</b> , 637, 3-56	2.8	63
598	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 69	4.2	62
597	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
596	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 92	4.2	60
595	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ( $\sqrt{s}=7$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	60
594	Measurement of the $\gamma$ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 110	4.2	59
593	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

592	Measurement of the $W \rightarrow \ell \bar{\nu}_\ell$ and $Z/\bar{\nu}_\ell \rightarrow \ell \bar{\nu}_\ell$ production cross sections in proton-proton collisions at ( $\sqrt{s} = 7; \text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5-4	58
591	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
590	Search for charged Higgs bosons decaying via $H \rightarrow \tau \bar{\nu}_\tau$ in fully hadronic final states using pp collision data at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	56
589	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
588	Precision measurement and interpretation of inclusive $t$ and $\bar{t}$ production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4-2	56
587	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 199	4-2	55
586	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	55
585	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	55
584	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
583	Measurement of the diffractive structure function $F_2^D(4)$ at HERA. <i>European Physical Journal C</i> , <b>1998</b> , 1, 81-96	4-2	55
582	Measurements of the $[ \text{Formula: see text} ]$ production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 82	4-2	54
581	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
580	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	54
579	Measurement of $W \bar{Z}$ production in proton-proton collisions at ( $\sqrt{s}=7 \sim \text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	54
578	Measurement of the longitudinal proton structure function at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 682, 8-22	4-2	54
577	Search for squarks and gluinos in final states with jets and missing transverse momentum at $[ \text{Formula: see text} ] = 13 [ \text{Formula: see text} ]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4-2	53
576	Search for new phenomena in events with at least three photons collected in collisions at $[ \text{Formula: see text} ] = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 210	4-2	53
575	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	53

574	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	53
573	Diffraction hard photoproduction at HERA and evidence for the gluon content of the pomeron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 356, 129-146	4.2	53
572	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
571	Search for direct top-squark pair production in final states with two leptons in pp collisions at ( $\sqrt{s} = 8\text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	52
570	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
569	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 393	4.2	52
568	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3157	4.2	52
567	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	52
566	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 120	4.2	51
565	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	51
564	Rapidity gaps between jets in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 369, 55-68	4.2	51
563	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	50
562	Evidence for the ( $H \rightarrow \bar{b}b$ ) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	50
561	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 208	4.2	50
560	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in ( $\sqrt{s}=13$ ) (text {TeV}) pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	50
559	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 303	4.2	49
558	Measurement of charged-particle spectra in Pb+Pb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	49
557	Search for high-mass resonances decaying to dilepton final states in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	49



556	Measurement of the diffractive structure function $F_2^D(4)$ at HERA <b>1998</b> , 1, 81		49
555	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
554	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 995	4-2	49
553	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4-2	48
552	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 259	4-2	48
551	Measurement of multi-particle azimuthal correlations in pp, p-Pb and low-multiplicity Pb-Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 428	4-2	48
550	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb of ( $\sqrt{s} = 7$ ;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	48
549	High-Q <sup>2</sup> neutral current cross sections in e+p deep inelastic scattering at $s=318$ GeV. <i>Physical Review D</i> , <b>2004</b> , 70,	4-9	48
548	Measurement of the photon-proton total cross section at a center-of-mass energy of 209 GeV at HERA. <i>Nuclear Physics B</i> , <b>2002</b> , 627, 3-28	2-8	48
547	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	48
546	Measurement of the prompt [Formula: see text] pair production cross-section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 76	4-2	47
545	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 24	4-2	47
544	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	47
543	Deep inelastic scattering with leading protons or large rapidity gaps at HERA. <i>Nuclear Physics B</i> , <b>2009</b> , 816, 1-61	2-8	47
542	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
541	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3023	4-2	46
540	Search for lepton-flavour-violating $H \rightarrow \tau\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	46
539	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ( $\sqrt{s}=8$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	45

538	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
537	Measurement of ZZ production in pp collisions at ( $\sqrt{s}=7$ ) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	45
536	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at [Formula: see text] TeV in 2010. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3034	4-2	45
535	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ( $\sqrt{s}=7$ ;mathrm{TeV}) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
534	Measurement of exclusive $\bar{b}$ electroproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 487, 273-288	4-2	45
533	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
532	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
531	Measurement of isolated-photon pair production in pp collisions at ( $\sqrt{s}=7$ ;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	44
530	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7$ mbox{TeV}). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	44
529	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	44
528	A QCD analysis of ZEUS diffractive data. <i>Nuclear Physics B</i> , <b>2010</b> , 831, 1-25	2.8	44
527	Angular analysis of $B^0 \rightarrow K^* \mu^+ \mu^-$ decays in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	44
526	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
525	Measurement of the cross section for top-quark pair production in pp collisions at ( $\sqrt{s} = \{7\};\text{TeV}$ ) with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	43
524	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
523	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
522	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
521	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4-2	42

520	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
519	Measurement of charm and beauty production in deep inelastic ep scattering from decays into muons at HERA. <i>European Physical Journal C</i> , <b>2010</b> , 65, 65-79	4-2	42
518	Search for heavy resonances in the and final states using proton-proton collisions at [ ] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 293	4-2	41
517	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
516	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
515	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ( $\sqrt{s}=7\sim m_{\text{box}}\{\text{TeV}\}$ ) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	41
514	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , <b>2010</b> , 70, 723-753	4-2	41
513	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	40
512	Measurement of high-Q <sup>2</sup> charged current cross sections in e $\bar{p}$ deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 539, 197-217	4-2	40
511	Measurement of azimuthal asymmetries in deep inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 481, 199-212	4-2	40
510	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 199	4-2	39
509	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
508	A search for ( $\overline{t}$ ) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at ( $\sqrt{s}$ ) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	39
507	Search for charged Higgs bosons decaying into top and bottom quarks at ( $\sqrt{s}$ )=13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	39
506	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
505	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 229	4-2	38
504	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at ( $\sqrt{s}$ )=8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	38
503	Inclusive-jet and dijet cross sections in deep inelastic scattering at HERA. <i>Nuclear Physics B</i> , <b>2007</b> , 765, 1-30	2-8	38

502	Measurement of the open-charm contribution to the diffractive proton structure function. <i>Nuclear Physics B</i> , <b>2003</b> , 672, 3-35	2.8	38
501	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
500	Measurement of the production of a W boson in association with a charm quark in pp collisions at ( $\sqrt{s} = 7$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	37
499	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	37
498	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in ( $\sqrt{s} = 7, \text{TeV}$ ) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
497	Limits on the production of the standard model Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
496	Search for massive colored scalars in four-jet final states in ( $\sqrt{s}=7\sim\text{TeV}$ ) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
495	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
494	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	36
493	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at ( $\sqrt{s} = 8$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	36
492	Measurement of the reaction in deep inelastic e+p scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 380, 220-234	4.2	36
491	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 142	4.2	35
490	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 171	4.2	35
489	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
488	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 379	4.2	35
487	Search for second generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7\sim\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	35
486	Search for resonance decays to lepton+jet at DESY HERA and limits on leptoquarks. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	35
485	Measurement of inclusive prompt photon photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 472, 175-188	4.2	35

484	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	34
483	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	34
482	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	34
481	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 565	4-2	34
480	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
479	Measurement of beauty production in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 599, 173-189	4-2	33
478	Measurement of inclusive ( $D_s^*$ ) photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 481, 213-227	4-2	33
477	Dijet angular distributions in direct and resolved photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 401-413	4-2	33
476	Search for charged Higgs bosons in the $H^\pm \rightarrow tb$ decay channel in pp collisions at ( $\sqrt{s}=8$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	33
475	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
474	Search for charged Higgs bosons decaying via $H^\pm \rightarrow b\bar{c}$ in the $b\bar{c}$ jets and $b\bar{c}$ lepton final states with 36 fb <sup>-1</sup> of pp collision data recorded at ( $\sqrt{s}=13$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	33
473	Measurement of the top quark mass in the $t\bar{t} \rightarrow b\bar{c}b\bar{c}$ and $t\bar{t} \rightarrow b\bar{c}b\bar{c}$ channels using 36.1 fb <sup>-1</sup> ATLAS data. <i>European Physical Journal C</i> , <b>2015</b> , 75, 330	4-2	32
472	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 18	4-2	32
471	Diffractive photoproduction of dijets in ep collisions at HERA. <i>European Physical Journal C</i> , <b>2008</b> , 55, 177-191	4-2	32
470	Search for pair production of Higgs bosons in the ( $b\bar{b}$ ) 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
469	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
468	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	31
467	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at ( $\sqrt{s}=7$ ) TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	31

466	Measurement of the production and lepton charge asymmetry of [Formula: see text] bosons in Pb+Pb collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 23	4.2	3 <sup>1</sup>
465	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3134	4.2	3 <sup>1</sup>
464	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at ( $\sqrt{s} = 8$ ) TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3 <sup>1</sup>
463	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ( $\sqrt{s}=7$ ;TeV ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	3 <sup>1</sup>
462	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ( $\sqrt{s}=7$ mathrm{TeV}) proton-proton collisions. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	3 <sup>1</sup>
461	Inclusive search for same-sign dilepton signatures in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	3 <sup>1</sup>
460	Leading neutron energy and distributions in deep inelastic scattering and photoproduction at HERA. <i>Nuclear Physics B</i> , <b>2007</b> , 776, 1-37	2.8	3 <sup>1</sup>
459	Observation of events with an energetic forward neutron in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 388-400	4.2	3 <sup>1</sup>
458	Measurements of b-jet tagging efficiency with the ATLAS detector using ( $\overline{t}$ ) events at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3 <sup>1</sup>
457	Search for third generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	3 <sup>0</sup>
456	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3 <sup>0</sup>
455	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at ( $\sqrt{s}=8$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3 <sup>0</sup>
454	Inclusive-jet photoproduction at HERA and determination of $\beta$ s. <i>Nuclear Physics B</i> , <b>2012</b> , 864, 1-37	2.8	3 <sup>0</sup>
453	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2328	4.2	3 <sup>0</sup>
452	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ( $\sqrt{s}=900$ ) GeV and ( $\sqrt{s}=7$ ) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	3 <sup>0</sup>
451	Measurement of dijet production in neutral current deep inelastic scattering at high Q <sup>2</sup> and determination of $\beta$ s. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 507, 70-88	4.2	3 <sup>0</sup>
450	Inclusive charged particle distributions in deep inelastic scattering events at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 70, 1-15		3 <sup>0</sup>
449	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	3 <sup>0</sup>

448	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	29
447	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
446	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
445	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	29
444	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
443	Jet-radius dependence of inclusive-jet cross sections in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 649, 12-24	4.2	29
442	Bottom photoproduction measured using decays into muons in dijet events in ep collisions at $s=318\text{GeV}$ . <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	29
441	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 466	4.2	28
440	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 250	4.2	28
439	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
438	Search for single top-quark production via flavour-changing neutral currents at $8\sqrt{\text{TeV}}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 55	4.2	28
437	Dijet production in diffractive deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 52, 813-832	4.2	28
436	Search for minimal supersymmetric standard model Higgs Bosons $H^\pm$ and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 585	4.2	28
435	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	28
434	Fiducial, total and differential cross-section measurements of $\gamma$ -channel single top-quark production in collisions at $8\sqrt{\text{TeV}}$ using data collected by the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 531	4.2	27
433	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using $4.5\text{fb}^{-1}$ of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	27
432	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
431	Measurement of high-Q <sup>2</sup> neutral current deep inelastic $e\bar{p}$ scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , <b>2009</b> , 62, 625-658	4.2	27

430	Measurement of $D^{\pm}$ and $D^0$ production in deep inelastic scattering using a lifetime tag at HERA. <i>European Physical Journal C</i> , <b>2009</b> , 63, 171-188	4.2	27
429	Measurement of isolated photon production in deep inelastic ep scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 687, 16-25	4.2	27
428	Dijet cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , <b>1998</b> , 1, 109	4.2	27
427	Search for contact interactions, large extra dimensions and finite quark radius in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 591, 23-41	4.2	27
426	Searches for excited fermions in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 549, 32-47	4.2	27
425	Measurement of subjet multiplicities in neutral current deep inelastic scattering at HERA and determination of $\beta_s$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 558, 41-58	4.2	27
424	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
423	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
422	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb $^{-1}$ of $(\sqrt{s}=13)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	26
421	Measurement of $\tau_1$ and $\tau_2$ production with $(\sqrt{s}) = 7$ TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
420	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
419	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
418	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
417	Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , <b>2009</b> , 61, 223-235	4.2	26
416	Study of the effective transverse momentum of partons in the proton using prompt photons in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 511, 19-32	4.2	26
415	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
414	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
413	Multi-channel search for squarks and gluinos in $[Formula: see text]$ collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2362	4.2	25



4 <sup>12</sup>	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
4 <sup>11</sup>	Search for $[B_s \rightarrow \mu^+\mu^-]$ decays in $[pp]$ collisions at $[8]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 165	4.2	25
4 <sup>10</sup>	Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	25
4 <sup>09</sup>	Observation of isolated high-ET photons in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 413, 201-216	4.2	25
4 <sup>08</sup>	Inclusive jet cross sections and dijet correlations in $D^*\ell$ photoproduction at HERA. <i>Nuclear Physics B</i> , <b>2005</b> , 729, 492-525	2.8	25
4 <sup>07</sup>	Search for bottom squark pair production in proton-proton collisions at $[8]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 547	4.2	25
4 <sup>06</sup>	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
4 <sup>05</sup>	Measurement of the top quark mass in the $(t\bar{t} \rightarrow \ell\ell + jets)$ channel from ( $\sqrt{s}=8$ ) TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	24
4 <sup>04</sup>	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
4 <sup>03</sup>	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
4 <sup>02</sup>	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W$ boson in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
4 <sup>01</sup>	Search for single-top production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 27-36	4.2	24
4 <sup>00</sup>	Measurement of the differential cross-section of $B$ + meson production in pp collisions at ( $\sqrt{s}=7$ ) TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	24
399	Measurement of beauty and charm production in deep inelastic scattering at HERA and measurement of the beauty-quark mass. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
398	Deep inelastic cross-section measurements at large $y$ with the ZEUS detector at HERA. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	24
397	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
396	Event shape analysis of deep inelastic scattering events with a large rapidity gap at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 421, 368-384	4.2	24
395	Scaling violations and determination of $\beta_s$ from jet production in $\bar{p}p$ interactions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 560, 7-23	4.2	24

394	Measurement of $\beta_s$ from jet rates in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 363, 201-216	4.2	24
393	Diffractive dijet cross sections in photoproduction at HERA <b>1998</b> , 5, 41		24
392	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
391	Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	24
390	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 154	4.2	23
389	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
388	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	23
387	Measurement of three-jet distributions in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 443, 394-408	4.2	23
386	Dijet cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , <b>1998</b> , 1, 109-122	4.2	23
385	Deep inelastic inclusive and diffractive scattering at $Q^2$ values from 25 to 320 GeV <sup>2</sup> with the ZEUS forward plug calorimeter. <i>Nuclear Physics B</i> , <b>2008</b> , 800, 1-76	2.8	23
384	High-mass dijet cross sections in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 531, 9-27	4.2	23
383	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at [Formula: see text] TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 401	4.2	23
382	Search for Higgs boson pair production in the ( $u\bar{g}\gamma u\bar{g}$ ) final state with 13 TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
381	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
380	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
379	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
378	Search for heavy long-lived multi-charged particles in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 362	4.2	22
377	Search for W W/Z resonance production in $\bar{q}q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22

376	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
375	Search for supersymmetry in final states with two same-sign or three leptons and jets 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>2017</b> , 2017, 1	5.4	22
374	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
373	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
372	Search for first-generation leptoquarks at HERA. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	22
371	Measurement of high-Q <sup>2</sup> charged current deep inelastic scattering cross sections with a longitudinally polarised positron beam at HERA. <i>European Physical Journal C</i> , <b>2010</b> , 70, 945-963	4.2	22
370	Inclusive-jet cross sections in NC DIS at HERA and a comparison of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 691, 127-137	4.2	22
369	Measurement of prompt photons with associated jets in photoproduction at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 49, 511-522	4.2	22
368	Observation of isolated high-ET photons in deep inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 595, 86-100	4.2	22
367	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
366	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
365	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 79	4.2	21
364	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 11	4.2	21
363	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3195	4.2	21
362	Production of excited charm and charm-strange mesons at HERA. <i>European Physical Journal C</i> , <b>2009</b> , 60, 25-45	4.2	21
361	W production and the search for events with an isolated high-energy lepton and missing transverse momentum at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 471, 411-428	4.2	21
360	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
359	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21

358	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1007	4.2	21
357	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
356	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 997	4.2	21
355	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 58	4.2	20
354	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
353	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
352	Measurement of ( $W^{\pm}Z$ ) production cross sections and gauge boson polarisation in pp collisions at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	20
351	Measurement of charm fragmentation fractions in photoproduction at HERA. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	20
350	Searches for the Z decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	20
349	Dijet angular distributions in photoproduction of charm at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 565, 87-101	4.2	20
348	Search for pentaquarks decaying to $\pi$ in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 610, 212-224	4.2	20
347	Search for new resonances in mass distributions of jet pairs using 139 fb $^{-1}$ of pp collisions at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	20
346	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at [ $\sqrt{s} = 13$ TeV] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 565	4.2	20
345	Measurement of the boson polarisation in [ $W^{\pm}Z$ ] events from collisions at [ $\sqrt{s} = 8$ TeV] in the lepton+jet channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4.2	19
344	Performance of top-quark and ( $W$ )-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	19
343	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
342	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 872	4.2	19
341	Differential cross sections of photoproduction in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 401, 192-206	4.2	19

340	A deeply virtual Compton scattering amplitude. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 645, 161-166	4.2	19
339	Measurement of dijet cross sections for events with a leading neutron in photoproduction at HERA. <i>Nuclear Physics B</i> , <b>2001</b> , 596, 3-29	2.8	19
338	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
337	Measurement of three-jet production cross-sections in [Formula: see text] collisions at 7 [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 228	4.2	18
336	Search for long-lived neutral particles in pp collisions at ( $\sqrt{s} = 13 \sim \text{TeV}$ ) that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	18
335	Searches for third-generation scalar leptoquarks in ( $\sqrt{s} = 13 \text{ TeV}$ ) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	18
334	Measurement of the underlying event in jet events from 7 ( $\text{TeV}$ ) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	18
333	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2982	4.2	18
332	Measurement of the low-mass Drell-Yan differential cross section at ( $\sqrt{s} = 7 \text{ TeV}$ ) using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
331	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2676	4.2	18
330	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
329	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at ( $\sqrt{s} = 8 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-65	5.4	18
328	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS experiment. <i>European Physical Journal C</i> , <b>2015</b> , 75, 407	4.2	18
327	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	18
326	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ( $\sqrt{s} = 7 \text{ TeV}$ ) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	18
325	Forward jet production in deep inelastic ep scattering and low-x parton dynamics at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 632, 13-26	4.2	18
324	Leading proton production in e+p collisions at HERA. <i>Nuclear Physics B</i> , <b>2003</b> , 658, 3-46	2.8	18
323	Study of charged-current ep interactions at $Q^2 > 200 \text{ GeV}^2$ with the ZEUS detector at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 47-64		18

322	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
321	Searches for heavy ZZ and ZW resonances in the $\bar{q}q$ and $\bar{q}q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
320	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
319	Measurement of polarization in $\rightarrow$ decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4.2	17
318	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3117	4.2	17
317	Test beam results of 3D silicon pixel sensors for the ATLAS upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 638, 33-40	1.2	17
316	Measurement of open beauty production at HERA in the $D^*\bar{t}$ final state. <i>European Physical Journal C</i> , <b>2007</b> , 50, 299-314	4.2	17
315	Measurement of $K^0_S$ , $\bar{D}$ and $\bar{D}^*$ production at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 51, 1-23	4.2	17
314	The Q <sup>2</sup> dependence of dijet cross sections in $\bar{p}p$ interactions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 479, 37-52	4.2	17
313	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
312	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text] $\sqrt{s}=13$ TeV [Formula: see text] collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 517	4.2	17
311	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
310	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
309	Search for the Standard Model Higgs boson decaying into ( $\bar{b}b$ ) produced in association with top quarks decaying hadronically in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
308	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 580	4.2	16
307	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
306	Search for new phenomena in events with three or more charged leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
305	Measurement of the ( $\bar{t}W$ ) and ( $\bar{t}Z$ ) 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

304	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
303	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3168	4.2	16
302	Measurement of the production cross-section of $(\psi S) \rightarrow J/\psi + \mu\mu$ in pp collisions at ( $\sqrt{s}$ ) = 7 TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
301	Search for anomalous production of prompt like-sign lepton pairs at ( $\sqrt{s}=7;\text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	16
300	Measurement of high- $Q^2$ neutral current deep inelastic e+p scattering cross sections with a longitudinally polarized positron beam at HERA. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	16
299	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	16
298	Diffraction photoproduction of $D^*(2010)$ at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 51, 301-315	4.2	16
297	Measurement of (anti)deuteron and (anti)proton production in DIS at HERA. <i>Nuclear Physics B</i> , <b>2007</b> , 786, 181-205	2.8	16
296	Measurement of high- $Q^2$ deep inelastic scattering cross sections with a longitudinally polarised positron beam at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 637, 210-222	4.2	16
295	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
294	Search for the Higgs boson produced in association with a boson and decaying to four $b$ -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
293	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
292	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
291	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at ( $\sqrt{s_{\text{NN}}}$ ) = 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
290	Search for pair production of heavy vector-like quarks decaying into high- $p_T$ W bosons and top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	16
289	Searches for scalar leptoquarks and differential cross-section measurements in dilepton+jet events in proton-proton collisions at a centre-of-mass energy of ( $\sqrt{s}$ ) = 13 TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	15
288	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
287	Measurement of the top quark charge in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15

286	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
285	Measurements of $(ZS)$ and $X(3872) \rightarrow J/\psi \chi_0$ production in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
284	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2017</b> , 77, 563	4.2	15
283	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
282	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043009	2.9	15
281	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	15
280	Measurement of the $E_T$ , jet <sub>2</sub> /Q <sub>2</sub> dependence of forward-jet production at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 474, 223-233	4.2	15
279	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
278	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\chi\chi$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 625	4.2	15
277	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
276	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
275	Search for single production of vector-like quarks decaying into Wb in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	14
274	Measurement of the ( $\overline{t}$ ) production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
273	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
272	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
271	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	14
270	Search for charged Higgs bosons through the violation of lepton universality in ( $\overline{t}$ ) events using pp collision data at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
269	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



268	A search for [Formula: see text] resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4.2	14
267	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. <i>European Physical Journal C</i> , <b>2010</b> , 70, 875-916	4.2	14
266	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	14
265	Three- and four-jet final states in photoproduction at HERA. <i>Nuclear Physics B</i> , <b>2008</b> , 792, 1-47	2.8	14
264	Search for stop production in R-parity-violating supersymmetry at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 50, 269	4.2	14
263	Event shapes in deep inelastic scattering at HERA. <i>Nuclear Physics B</i> , <b>2007</b> , 767, 1-28	2.8	14
262	Photoproduction of $D^* \Xi$ mesons associated with a leading neutron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 590, 143-160	4.2	14
261	Study of the pion trajectory in the photoproduction of leading neutrons at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 610, 199-211	4.2	14
260	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	14
259	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14
258	Measurements of top-quark pair differential cross-sections in the [Formula: see text] channel in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 292	4.2	13
257	Search for triboson [Formula: see text] production in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 141	4.2	13
256	Search for top-quark decays $t \rightarrow Hq$ with 36 fb of pp collision data at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	13
255	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
254	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
253	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
252	Addendum to Measurement of the $(t\bar{t})$ production cross-section using (emu) events with b-tagged jets in pp collisions at ( $\sqrt{s}$ ) = 7 and 8 ( $\text{TeV}$ ) with the ATLAS detector [ <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	13
251	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

250	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
249	Measurement of beauty and charm production in deep inelastic scattering at HERA and measurement of the beauty-quark mass. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	13
248	Search for R-parity-violating supersymmetry in events with four or more leptons in ( $\sqrt{s}=7$ ; $\mathrm{TeV}$ ) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
247	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ( $\sqrt{s} = 7$ ; $\mathrm{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
246	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
245	Measurement of beauty production in deep inelastic scattering at HERA using decays into electrons. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
244	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
243	Measurement of beauty production in DIS and extraction at ZEUS. <i>European Physical Journal C</i> , <b>2010</b> , 69, 347-360	4.2	13
242	Inclusive dijet cross sections in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2010</b> , 70, 965-982	4.2	13
241	High-ET dijet photoproduction at HERA. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	13
240	Fluctuations of anisotropic flow in Pb+Pb collisions at ( $\sqrt{\langle s \rangle_{NN}}$ ) = 5.02 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	13
239	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
238	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
237	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
236	Operation and performance of the ATLAS Tile Calorimeter in Run 1. <i>European Physical Journal C</i> , <b>2018</b> , 78, 987	4.2	13
235	Measurements of W and Z boson production in pp collisions at ( $\sqrt{s}=5.02$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	12
234	Measurement of the W W + W Z cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
233	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

232	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
231	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
230	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
229	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
228	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
227	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
226	Search for Higgs boson pair production in the WW(*)WW(*) decay channel using ATLAS data recorded at ( $\sqrt{\text{mathrm{s}}}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
225	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2895	4.2	12
224	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
223	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
222	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \gamma\gamma$ in ( $\sqrt{s}=13$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
221	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
220	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	12
219	Measurement of heavy-quark jet photoproduction at HERA. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	12
218	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , <b>2010</b> , 70, 755-785	4.2	12
217	Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 51, 289-299	4.2	12
216	Multijet production at low in deep inelastic scattering at HERA. <i>Nuclear Physics B</i> , <b>2007</b> , 786, 152-180	2.8	12
215	Study of the azimuthal asymmetry of jets in neutral current deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 551, 226-240	4.2	12

214	Search for resonance decays to a $\pi$ plus jet in e+p scattering at DESY HERA. <i>Physical Review D</i> , <b>2001</b> , 63,	4.9	12
213	Measurement of the top-quark mass in $(\overline{t}) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
212	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $(\sqrt{s}=8\text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	11
211	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 129	4.2	11
210	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $13\sqrt{\text{TeV}}$ . <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	11
209	Measurement of the t dependence in exclusive photoproduction of $\rho(1S)$ mesons at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 14-20	4.2	11
208	Measurement of lepton differential distributions and the top quark mass in production in collisions at $\sqrt{s}$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 804	4.2	11
207	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
206	Study of and production in collisions at and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 646	4.2	11
205	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $(\sqrt{s}=7)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
204	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
203	Production of the excited charm mesons D1 and D2? at HERA. <i>Nuclear Physics B</i> , <b>2013</b> , 866, 229-254	2.8	11
202	Measurement of W and Z production in proton-proton collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	11
201	Observation of scaling violations in scaled momentum distributions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 414, 428-443	4.2	11
200	Beauty photoproduction using decays into electrons at HERA. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	11
199	Forward-jet production in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 52, 515-530	4.2	11
198	Isolated tau leptons in events with large missing transverse momentum at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 583, 41-58	4.2	11
197	Substructure dependence of jet cross sections at HERA and determination of $\beta_s$ . <i>Nuclear Physics B</i> , <b>2004</b> , 700, 3-50	2.8	11

196	Multiplicity moments in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 510, 36-54	4.2	11
195	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
194	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
193	Combined QCD and electroweak analysis of HERA data. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	10
192	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
191	Measurement of the CP-violating phase $\phi_s$ and the $B^0_s$ meson decay width difference with $B^0_s \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
190	Search for diboson resonances in hadronic final states in 139 fb $^{-1}$ of pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
189	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2040	4.2	10
188	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 765	4.2	10
187	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	10
186	Bose-Einstein correlations in one and two dimensions in deep inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 583, 231-246	4.2	10
185	Measurement of diffractive production of $D^*_{s1}(2010)$ mesons in deep-inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 545, 244-260	4.2	10
184	Photoproduction of isolated photons, inclusively and with a jet, at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 730, 293-301	4.2	9
183	Measurement of the ZZ production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV using the ZZ $\rightarrow \mu\mu^+\mu^+$ and (ZZto $\{e\}^-\{e\}^+\nu$ overline{nu}) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
182	Measurement of charged-particle distributions sensitive to the underlying event in ( $\sqrt{s}=13$ ) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
181	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb $^{-1}$ of ( $\sqrt{s}$ ) = 8 TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	9
180	Bose-Einstein correlations of charged and neutral kaons in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 652, 1-12	4.2	9
179	Three-jet production in diffractive deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 516, 273-292	4.2	9

178	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
177	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
176	Measurement of the cross-section ratio $\sigma(\text{ZS}) / \sigma(\text{WZ})$ in deep inelastic exclusive ep scattering at HERA. <i>Nuclear Physics B</i> , <b>2016</b> , 909, 934-953	2.8	9
175	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
174	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
173	Measurement of $VH$ , $(\text{H}) \rightarrow \text{b}\overline{\text{b}}$ 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 <sup>-1</sup> 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	Production of exclusive dijets in diffractive deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	8
168	Search for scalar resonances decaying into $\mu\mu$ in events with and without b-tagged jets produced in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
167	Measurement of splitting scales in $\rightarrow$ events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
166	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 144	4.2	8
165	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
164	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 158	4.2	8
163	Search for events with an isolated lepton and missing transverse momentum and a measurement of W production at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 672, 106-115	4.2	8
162	Inclusive $K(S);(0)K(S);(0)$ resonance production in ep collisions at HERA. <i>Physical Review Letters</i> , <b>2008</b> , 101, 112003	7.4	8
161	Evidence for $(\text{t}\bar{\text{t}})$ 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	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
159	Measurements of top-quark pair spin correlations in the (emu) channel at ( $\sqrt{s} = 13$ ) TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
158	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
157	Search for heavy resonances decaying into a pair of Z bosons in the ( $e^+e^- \rightarrow e^+e^- \gamma \gamma$ ) and ( $e^+e^- \rightarrow e^+e^- \nu \bar{\nu}$ ) final states using 139 fb <sup>-1</sup> 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
156	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
155	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
154	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
153	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 784	4.2	8
152	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at ( $\sqrt{s} = 13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
151	Measurements of inclusive and differential fiducial cross-sections of ( $t\bar{t}\gamma$ ) production in leptonic final states at ( $\sqrt{s} = 13$ ) TeV in ATLAS. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
150	Transverse momentum and process dependent azimuthal anisotropies in ( $\sqrt{s} = 8.16$ ) TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
149	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 102	4.2	7
148	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4.2	7
147	Limits on the effective quark radius from inclusive ep scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 757, 468-472	4.2	7
146	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
145	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at ( $\sqrt{s} = 13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
144	Measurement of $D^* \Xi$ production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	7
143	Measurement of $D \Xi$ production in deep inelastic ep scattering with the ZEUS detector at HERA. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	7

142	Measurement of the $(\overline{t}\gamma)$ production cross section in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
141	Measurements of top-quark pair to Z-boson cross-section ratios at $(\sqrt{s}=13)$ , 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
140	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
139	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $(\sqrt{s}=13)$ TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
138	Studies of $Z\bar{\nu}$ production in association with a high-mass dijet system in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
137	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
136	Measurement of isolated photons accompanied by jets in deep inelastic ep scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 715, 88-97	4.2	7
135	Exclusive electroproduction of two pions at HERA. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	7
134	Subjet distributions in deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2009</b> , 63, 527-548	4.2	7
133	Events with an isolated lepton and missing transverse momentum and measurement of W production at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	7
132	Measurement of meson production in scattering at low. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 649, 111-121	4.2	7
131	Observation of $K_S0K_S0$ resonances in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 578, 33-44	4.2	7
130	Properties of hadronic final states in diffractive deep inelastic ep scattering at DESY HERA. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	7
129	Production and test of monitored drift tubes for the muon spectrometer of the ATLAS experiment. <i>IEEE Transactions on Nuclear Science</i> , <b>2002</b> , 49, 1077-1079	1.7	7
128	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $(\sqrt{s} = 13, \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
127	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $(\ell\ell b\bar{b})$ and $(\ell\ell WW)$ 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
126	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
125	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



124	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
123	Measurement of ( $W^{\pm} \mu$ ) boson production in Pb+Pb collisions at ( $\sqrt{s_{\text{NN}}} = 5.02\text{--}7\text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
122	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
121	Measurements of WH and ZH production in the ( $H \rightarrow \bar{b}b$ ) decay channel 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
120	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
119	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at ( $\sqrt{s} = 8\text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	6
118	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at ( $\sqrt{s} = 8\text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
117	Top-quark mass measurement in the all-hadronic ( $\bar{t}t$ ) decay channel at ( $\sqrt{s} = 8\text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
116	Production of $\Lambda$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 915-921	4.2	6
115	Measurement of dijet photoproduction for events with a leading neutron at HERA. <i>Nuclear Physics B</i> , <b>2010</b> , 827, 1-33	2.8	6
114	Measurement of the energy dependence of the total photon-proton cross section at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 697, 184-193	4.2	6
113	Measurement of $J/\psi$ photoproduction at large momentum transfer at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	6
112	Diffraction dijet cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , <b>1998</b> , 5, 41-56	4.2	6
111	Photoproduction of events with rapidity gaps between jets at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 50, 283-297	4.2	6
110	Observation of the strange sea in the proton via inclusive $\Lambda$ meson production in neutral current deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 553, 141-158	4.2	6
109	Two-particle azimuthal correlations as a probe of collective behaviour in deep inelastic ep scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	6
108	Search for ( $\bar{t}t$ ) resonances in fully hadronic final states 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	6
107	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at ( $\sqrt{s} = 13\text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6

106	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
105	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
104	Measurement of the ( $Z \rightarrow \nu \bar{\nu}$ ) production cross section in pp collisions at ( $\sqrt{s} = 13$ ) TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
103	Search for exclusive Higgs and Z boson decays to $\tau^+ \tau^-$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
102	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
101	Limits on contact interactions and leptoquarks at HERA. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	5
100	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
99	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , <b>2018</b> , 78, 186	4.2	5
98	Measurement of inelastic $J/\psi$ and $\psi'$ photoproduction at HERA. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	5
97	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
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	3D-FBK pixel sensors: Recent beam tests results with irradiated devices. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 650, 150-157	1.2	5
94	Multi-lepton production at high transverse momentum at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 680, 13-23	4.2	5
93	Search for selectron and squark production in e+p collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 434, 214-230	4.2	5
92	Multijet cross sections in charged current e $\bar{p}$ scattering at HERA. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	5
91	Search for lepton-flavor violation in e+p collisions at DESY HERA. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	5
90	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
89	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

88	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
87	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
86	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
85	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
84	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
83	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
82	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
81	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 847	4-2	5
80	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 487	4-2	5
79	Measurement of jet activity in top quark events using the $e$ final state with two b-tagged jets in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	4
78	Combination of differential $D^*$ cross-section measurements in deep-inelastic ep scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	4
77	Measurement of neutral current cross sections at high Bjorken-x with the ZEUS detector at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 49, 523-544	4-2	4
76	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
75	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	4
74	Measurement of $J/\psi$ production in association with a $W$ boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	4
73	Study of charged-current interactions at $Q^2 > 200$ GeV <sup>2</sup> with the ZEUS detector at HERA <b>1996</b> , 72, 47		4
72	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
71	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	4

70	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
69	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at ( $\sqrt{s}=8$ ) and 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	3
68	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 163	4-2	3
67	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13$ TeV with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4-2	3
66	Measurement of neutral current $e\bar{p}$ cross sections at high Bjorken $x$ with the ZEUS detector. <i>Physical Review D</i> , <b>2014</b> , 89,	4-9	3
65	Measurement of the $k_t$ splitting scales in $Z \rightarrow \tau\tau$ events in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	3
64	Measurement of $D^+$ and $\tau^+$ production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5-4	3
63	Measurement of the proton structure function $F_2$ at low $x$ and low $Q^2$ at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 607-620		3
62	Measurement of $K_S^0$ and $\Lambda^0$ production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	3
61	Determination of jet calibration and energy resolution in proton-proton collisions at ( $\sqrt{s}=8$ -13 TeV) using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	3
60	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector <b>2015</b> , 2015, 1		3
59	Reconstruction and identification of boosted di- $\tau$ 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 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 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	3
56	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	2
55	Charm production in charged current deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	2
54	Measurement of the $Z \rightarrow \mu\mu$ production cross-section in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	2
53	Studies of the diffractive photoproduction of isolated photons at HERA. <i>Physical Review D</i> , <b>2017</b> , 96,	4-9	2

52	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	2
51	Angular correlations in three-jet events in ep collisions at HERA. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	2
50	Measurement of elastic $\pi^0$ photoproduction at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 39-54		2
49	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using ( $\sqrt{s} = 13$ 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 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
47	Measurement of the inclusive isolated-photon cross section in pp collisions at ( $\sqrt{s}$ ) = 13 TeV using 36 fb $^{-1}$ of ATLAS data. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
46	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
45	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
44	Search for supersymmetry in events with four or more charged leptons in 139 fb $^{-1}$ of ( $\sqrt{s}$ ) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
43	Measurement of ZZ production in the final state with the ATLAS detector in pp collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
42	Measurement of ( $W^{\pm}$ )-boson and Z-boson production cross-sections in pp collisions at ( $\sqrt{s}=2.76$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
41	Further studies of isolated photon production with a jet in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
40	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at ( $\sqrt{s}$ ) = 13 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
39	Study of proton parton distribution functions at high x using ZEUS data. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	1
38	Search for a narrow baryonic state decaying to $pK_S^0$ and $\bar{p}K_S^0$ in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 446-453	4.2	1
37	A search for an excited muon decaying to a muon and two jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2016</b> , 18, 073021	2.9	1
36	Further studies of the photoproduction of isolated photons with a jet at HERA. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	1
35	Measurement of $D^*$ photoproduction at three different centre-of-mass energies at HERA. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	1

34	Scaled momentum distributions for $(K_S^0)_{KS}$ and $(\Lambda/\bar{\Lambda})$ in DIS at HERA. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	1
33	Study of taupair production at HERA. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	1
32	Scaled momentum spectra in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	1
31	FD2 at low $Q^2$ at HERA. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2001</b> , 99, 148-151		1
30	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $(\sqrt{s}=8, \text{TeV})$ with the ATLAS detector <b>2016</b> , 76, 1		1
29	Search for top squarks in events with a Higgs or Z boson using 139 $\text{fb}^{-1}$ 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
28	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
27	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
26	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W^\pm$ and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
25	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
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 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	○
15	Measurement of the $t(\overline{t})t(\overline{t})$ production cross section in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
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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	○
11	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	○
10	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 of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	○
9	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , <b>2022</b> , 6, 1	6	○
8	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	○
7	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	○
6	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	○
5	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	○
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3	Top quark studies with the ATLAS detector. <i>International Journal of Modern Physics Conference Series</i> , <b>2015</b> , 39, 1560092	0.7	
2	ZEUS results on inclusive diffraction. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2005</b> , 146, 15-19		
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	