

Katsuo Tokushuku

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679 papers	22,877 citations	68 h-index	113 g-index
715 ext. papers	26,224 ext. citations	4.5 avg, IF	2.07 L-index

#	Paper	IF	Citations
679	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
678	Combined measurement and QCD analysis of the inclusive e^-p scattering cross sections at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	370
677	A Large Hadron Electron Collider at CERN Report on the Physics and Design Concepts for Machine and Detector. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012 , 39, 075001	2.9	317
676	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518	4.2	276
675	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
674	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
673	Combination of measurements of inclusive deep inelastic (e^+p) scattering cross sections and QCD analysis of HERA data. <i>European Physical Journal C</i> , 2015 , 75, 1	4.2	249
672	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
671	Construction and beam test of the ZEUS forward and rear calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1991 , 309, 101-142	1.2	223
670	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7\text{ TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
669	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7\text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
668	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 299	4.2	202
667	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199
666	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> , 2015 , 75, 17	4.2	194
665	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
664	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> , 2016 , 76, 6	4.2	185
663	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , 2017 , 77, 490	4.2	177

662	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
661	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 3130	4.2	166
660	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941	4.2	160
659	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	160
658	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
657	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 45	4.2	152
656	Evidence for a narrow baryonic state decaying to $K^0_S p$ and $\bar{K}^0_S p$ in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 591, 7-22	4.2	150
655	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> , 2000 , 487, 53-73	4.2	149
654	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 581	4.2	148
653	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ($\sqrt{s_{NN}} = 2.76$ TeV) with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	143
652	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
651	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> , 1996 , 72, 399-424		132
650	Search for new high-mass phenomena in the dilepton final state using 36 fb $^{-1}$ of proton-proton collision data at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	126
649	ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering. <i>Physical Review D</i> , 2003 , 67,	4.9	126
648	Exclusive electroproduction of J/ψ mesons at HERA. <i>Nuclear Physics B</i> , 2004 , 695, 3-37	2.8	125
647	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	124
646	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> , 1997 , 407, 432-448	4.2	123
645	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> , 1997 , 74, 207-220		123

644	Measurement of deeply virtual Compton scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 573, 46-62	4.2	123
643	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}) = 8TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	120
642	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	114
641	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \ell^\pm \nu_\ell$ ($\overline{t} t$) events using pp collision data at (\sqrt{s}) = 7;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
640	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , 2015 , 75, 510	4.2	109
639	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> , 2014 , 2014, 1	5.4	108
638	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 8TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109	4.2	107
637	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 476	4.2	104
636	Search for doubly charged Higgs bosons in like-sign dilepton final states at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
635	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103
634	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	101
633	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 349	4.2	94
632	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in (\sqrt{s})=8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	92
631	Measurement of $D^*\pi$ production in deep inelastic $e\pi$ p scattering at DESY HERA. <i>Physical Review D</i> , 2004 , 69,	4.9	92
630	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	91
629	Measurement of elastic γ photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 437, 432-444	4.2	87
628	production in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 402-418	4.2	85
627	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4.2	82

626	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	4.2	82
625	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb ⁻¹ of pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	81
624	Measurement of the Z/ γ boson transverse momentum distribution in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79
623	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78
622	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
621	Search for single-top production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 559, 153-170	4.2	77
620	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in (\sqrt{s}) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	76
619	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465	4.2	76
618	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	74
617	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 209	4.2	73
616	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	72
615	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2509	4.2	71
614	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ mbox{~TeV}). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
613	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821	4.2	70
612	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 5	4.2	68
611	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	67
610	Jet mass and substructure of inclusive jets in ($\sqrt{s} = 7$; {text{TeV}}) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67
609	Study of deep inelastic inclusive and diffractive scattering with the ZEUS forward plug calorimeter. <i>Nuclear Physics B</i> , 2005 , 713, 3-80	2.8	67

608	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 412	4.2	66
607	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-39	5.4	66
606	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 903	4.2	66
605	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	65
604	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> , 2015 , 2015, 1	5.4	64
603	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at ($\sqrt{s}=8$) TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	64
602	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 291	4.2	63
601	Exclusive photoproduction of γ mesons at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 4-12	4.2	63
600	The design and performance of the ZEUS micro vertex detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 581, 656-686	1.2	63
599	Exclusive electroproduction of γ mesons at HERA. <i>Nuclear Physics B</i> , 2005 , 718, 3-31	2.8	63
598	Inclusive jet cross sections in the Breit frame in neutral current deep inelastic scattering at HERA and determination of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 547, 164-180	4.2	63
597	Leading neutron production in e+p collisions at HERA. <i>Nuclear Physics B</i> , 2002 , 637, 3-56	2.8	63
596	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69	4.2	62
595	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017 , 77, 195	4.2	61
594	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 92	4.2	60
593	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using (\sqrt{s}) = 7 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	60
592	Measurement of the W -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
591	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	59

590	Measurement of the $W \rightarrow \ell \bar{\nu}_\ell$ and $Z/\gamma \rightarrow \ell \bar{\ell}$ production cross sections in proton-proton collisions at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5-4	58
589	A search for $(\overline{t}t)$ resonances using lepton-plus-jets events in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	57
588	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in fully hadronic final states using pp collision data at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	56
587	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 335	4-2	56
586	Precision measurement and interpretation of inclusive t and \bar{t} production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4-2	56
585	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 199	4-2	55
584	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	55
583	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4-2	55
582	Summary of the searches for squarks and gluinos using $(\sqrt{s}=8)$ TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	55
581	Measurement of the diffractive structure function $F_2 D(4)$ at HERA. <i>European Physical Journal C</i> , 1998 , 1, 81-96	4-2	55
580	Measurements of the $[\text{Formula: see text}]$ production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82	4-2	54
579	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	54
578	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $(\sqrt{s}) = 8$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	54
577	Measurement of $W^\pm Z$ production in proton-proton collisions at $(\sqrt{s}=7\sim\text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	54
576	Measurement of the longitudinal proton structure function at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 682, 8-22	4-2	54
575	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> , 2016 , 76, 392	4-2	53
574	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> , 2016 , 76, 210	4-2	53
573	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	53

572	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s}=7\text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	53
571	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , 2016 , 76, 666	4.2	53
570	Search for direct top-squark pair production in final states with two leptons in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	52
569	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 70	4.2	52
568	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 393	4.2	52
567	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3157	4.2	52
566	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
565	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120	4.2	51
564	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	51
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> , 2013 , 2013, 1	5.4	50
562	Evidence for the ($H \rightarrow \overline{b}b$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
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> , 2015 , 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> , 2020 , 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> , 2015 , 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> , 2015 , 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> , 2012 , 2012, 1	5.4	49
556	Measurement of the diffractive structure function $F_2^D(4)$ at HERA 1998 , 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> , 2016 , 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> , 2018 , 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> , 2016 , 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> , 2016 , 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> , 2017 , 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> , 2012 , 2012, 1	5.4	48
549	High-Q ² neutral current cross sections in e+p deep inelastic scattering at $\sqrt{s}=318$ GeV. <i>Physical Review D</i> , 2004 , 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> , 2002 , 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> , 2018 , 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> , 2017 , 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> , 2018 , 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> , 2013 , 2013, 1	5.4	47
543	Deep inelastic scattering with leading protons or large rapidity gaps at HERA. <i>Nuclear Physics B</i> , 2009 , 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> , 2015 , 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> , 2014 , 74, 3023	4.2	46
540	Search for lepton-flavour-violating $H \rightarrow \mu\mu$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 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> , 2015 , 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> , 2016 , 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> , 2013 , 2013, 1	5.4	45

536	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. <i>European Physical Journal C</i> , 2014 , 74, 3034	4.2	45
535	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $(\sqrt{s}=7\text{ TeV})$ pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
534	Measurement of exclusive γ electroproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 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 $\sqrt{s}=7$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 318	4.2	44
532	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 154	4.2	44
531	Measurement of isolated-photon pair production in pp collisions at $(\sqrt{s}=7\text{ TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 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 $(\sqrt{s}=7\text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 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> , 2011 , 71, 1	4.2	44
528	A QCD analysis of ZEUS diffractive data. <i>Nuclear Physics B</i> , 2010 , 831, 1-25	2.8	44
527	Angular analysis of $B^0 \rightarrow K^* \mu^+ \mu^-$ decays in pp collisions at $(\sqrt{s}=8\text{ TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	44
526	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $(\sqrt{s}=7\text{ TeV})$ using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 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> , 2012 , 2012, 1	5.4	43
524	ATLAS b-jet identification performance and efficiency measurement with $(t\bar{t})$ events in pp collisions at $(\sqrt{s}=13\text{ TeV})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	43
523	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4.2	42
522	Measurement of the differential cross-sections of prompt and non-prompt production of $[\text{Formula: see text}]$ and $[\text{Formula: see text}]$ in collisions at $[\text{Formula: see text}]$ and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 283	4.2	42
521	Measurement of the top quark mass with the template method in the $[\text{Formula: see text}]$ channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 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> , 2015 , 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> , 2010 , 65, 65-79	4.2	42

518	Search for heavy resonances in the and final states using proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4.2	41
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> , 2014 , 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> , 2013 , 73, 1	4.2	41
515	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ($\sqrt{s}=7\sim 13$ TeV) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41
514	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 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> , 2014 , 2014, 1	5.4	40
512	Measurement of high- Q^2 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> , 2002 , 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> , 2000 , 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> , 2016 , 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> , 2014 , 2014, 1	5.4	39
508	A search for ($\bar{t}t$) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 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> , 2018 , 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> , 2017 , 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> , 2015 , 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> , 2014 , 2014, 1	5.4	38
503	Inclusive-jet and dijet cross sections in deep inelastic scattering at HERA. <i>Nuclear Physics B</i> , 2007 , 765, 1-30	2.8	38
502	Measurement of the open-charm contribution to the diffractive proton structure function. <i>Nuclear Physics B</i> , 2003 , 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 (14) TeV. <i>European Physical Journal C</i> , 2019 , 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> , 2014 , 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> , 2015 , 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, TeV) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 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> , 2011 , 71, 1	4.2	37
496	Search for massive colored scalars in four-jet final states in (\sqrt{s} =7~ TeV) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 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> , 2016 , 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> , 2018 , 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> , 2014 , 2014, 1	5.4	36
492	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 142	4.2	35
491	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 171	4.2	35
490	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 322	4.2	35
489	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 379	4.2	35
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487	Search for resonance decays to lepton+jet at DESY HERA and limits on leptoquarks. <i>Physical Review D</i> , 2003 , 68,	4.9	35
486	Measurement of inclusive prompt photon photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 472, 175-188	4.2	35
485	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> , 2013 , 2013, 1	5.4	34
484	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at (\sqrt{s} = 7 TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	34
483	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at (\sqrt{s} = {7}; TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34

482	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 565	4.2	34
481	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , 2017 , 77, 673	4.2	33
480	Measurement of beauty production in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 599, 173-189	4.2	33
479	Measurement of inclusive (D_s^\pm) photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 481, 213-227	4.2	33
478	Search for charged Higgs bosons in the $H^\pm \rightarrow tb$ decay channel in pp collisions at $(\sqrt{s}=8)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	33
477	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb $^{-1}$ of $(\sqrt{s}=13)$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33
476	Search for charged Higgs bosons decaying via $H^\pm \rightarrow t\bar{b}$ in the b -jets and b -lepton final states with 36 fb $^{-1}$ of pp collision data recorded at $(\sqrt{s}=13)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33
475	Measurement of the top quark mass in the $t\bar{t} \rightarrow t\bar{t} + \text{lepton} + \text{neutrino}$ channels using $\sqrt{s}=13$ TeV ATLAS data. <i>European Physical Journal C</i> , 2015 , 75, 330	4.2	32
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473	Diffraction photoproduction of dijets in ep collisions at HERA. <i>European Physical Journal C</i> , 2008 , 55, 177-191	4.2	32
472	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> , 2019 , 2019, 1	5.4	31
471	Constraints on mediator-based dark matter and scalar dark energy models using $(\sqrt{s}) = 13$ TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	31
470	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
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468	Measurement of the production and lepton charge asymmetry of Z bosons in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 23	4.2	31
467	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3134	4.2	31
466	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $(\sqrt{s} = 8)$ TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	31
465	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $(\sqrt{s}=7\text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	31

464	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ($\sqrt{s}=7$ TeV) proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
463	Inclusive search for same-sign dilepton signatures in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	31
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461	Measurements of b-jet tagging efficiency with the ATLAS detector using (\overline{t}) events at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	31
460	Search for third generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	30
459	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	30
458	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> , 2014 , 2014, 1	5.4	30
457	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
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454	Inclusive charged particle distributions in deep inelastic scattering events at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 70, 1-15		30
453	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
452	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> , 2015 , 2015, 1	5.4	29
451	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> , 2014 , 2014, 1	5.4	29
450	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 332	4.2	29
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448	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> , 2014 , 2014, 1	5.4	29
447	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> , 2007 , 649, 12-24	4.2	29

446	Bottom photoproduction measured using decays into muons in dijet events in ep collisions at $s=318\text{GeV}$. <i>Physical Review D</i> , 2004 , 70,	4.9	29
445	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 466	4.2	28
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438	Fiducial, total and differential cross-section measurements of s -channel single top-quark production in collisions at $8\sqrt{s}\text{TeV}$ using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 531	4.2	27
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436	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
435	Measurement of high- Q^2 neutral current deep inelastic $e\bar{p}$ scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , 2009 , 62, 625-658	4.2	27
434	Measurement of D^{\pm} and D^0 production in deep inelastic scattering using a lifetime tag at HERA. <i>European Physical Journal C</i> , 2009 , 63, 171-188	4.2	27
433	Measurement of isolated photon production in deep inelastic ep scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 687, 16-25	4.2	27
432	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> , 2004 , 591, 23-41	4.2	27
431	Searches for excited fermions in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 549, 32-47	4.2	27
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428	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	26
427	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	26
426	Measurement of τ_1 and τ_2 production with (\sqrt{s}) = 7 TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
425	Measurements of the production cross section of a [Formula: see text] boson in association with jets in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 361	4.2	26
424	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	26
423	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> , 2014 , 2014, 1	5.4	26
422	Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , 2009 , 61, 223-235	4.2	26
421	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> , 2001 , 511, 19-32	4.2	26
420	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 658	4.2	26
419	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P03017-P03017	1	25
418	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2362	4.2	25
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414	Observation of isolated high-ET photons in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 201-216	4.2	25
413	Inclusive jet cross sections and dijet correlations in $D^*\ell$ photoproduction at HERA. <i>Nuclear Physics B</i> , 2005 , 729, 492-525	2.8	25
412	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 547	4.2	25
411	Measurement of the inclusive isolated prompt photon cross section in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25

410	Measurement of the top quark mass in the $(\bar{t} \rightarrow)$ lepton+jets channel from $(\sqrt{s}=8)$ TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	24
409	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	24
408	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> , 2014 , 2014, 1	5.4	24
407	Measurement of the production cross section of prompt J/ψ 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> , 2014 , 2014, 1	5.4	24
406	Measurement of the differential cross-section of B + meson production in pp collisions at $(\sqrt{s}=7)$ TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	24
405	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> , 2014 , 2014, 1	5.4	24
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401	Scaling violations and determination of α_s from jet production in $\bar{p}p$ interactions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 560, 7-23	4.2	24
400	Search for single production of vector-like quarks decaying into in collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 442	4.2	24
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398	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 154	4.2	23
397	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	23
396	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	23
395	Measurement of three-jet distributions in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 443, 394-408	4.2	23
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391	Search for Higgs boson pair production in the $(\gamma\gamma\gamma\gamma)$ final state with 13 TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	23
390	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 762	4.2	23
389	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 -collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 26	4.2	22
388	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	22
387	Search for heavy long-lived multi-charged particles in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 362	4.2	22
386	Search for W^+W^-/ZZ resonance production in $\ell\bar{\ell}q$ final states in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
385	A search for prompt lepton-jets in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	22
384	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb of $(\sqrt{s}=13)$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	22
383	A search for high-mass resonances decaying to $\ell\ell$ in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
382	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> , 2015 , 2015, 1	5.4	22
381	Measurement of high-Q ² charged current deep inelastic scattering cross sections with a longitudinally polarised positron beam at HERA. <i>European Physical Journal C</i> , 2010 , 70, 945-963	4.2	22
380	Measurement of prompt photons with associated jets in photoproduction at HERA. <i>European Physical Journal C</i> , 2007 , 49, 511-522	4.2	22
379	Observation of isolated high-ET photons in deep inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 595, 86-100	4.2	22
378	Hadronic energy distributions in deep-inelastic electron-proton scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 59, 231-242		22
377	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
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369	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
368	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 1007	4.2	21
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366	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 997	4.2	21
365	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 58	4.2	20
364	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
363	Searches for heavy diboson resonances in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
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344	Measurement of the low-mass Drell-Yan differential cross section at (\sqrt{s}) = 7 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
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341	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-65	5.4	18
340	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , 2015 , 75, 407	4.2	18
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322	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 580	4.2	16
321	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16

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318	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> , 2015 , 2015, 1	5.4	16
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287	Measurement of the $\overline{t}t$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
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285	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> , 2014 , 2014, 1	5.4	14

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268	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> , 2019 , 2019, 1	5.4	13
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265	Identification of high transverse momentum top quarks in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
264	Addendum to Measurement of the ($t\bar{t}$) production cross-section using ($e\mu$) events with b-tagged jets in pp collisions at (\sqrt{s}) = 7 and 8 (TeV) with the ATLAS detector \square <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	13
263	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 4	4.2	13
262	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
261	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> , 2014 , 2014, 1	5.4	13
260	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> , 2012 , 2012, 1	5.4	13
259	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ($\sqrt{s} = 7\sim\mathrm{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
258	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
257	Measurement of beauty production in deep inelastic scattering at HERA using decays into electrons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
256	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb \square of ATLAS data. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
255	Measurement of beauty production in DIS and extraction at ZEUS. <i>European Physical Journal C</i> , 2010 , 69, 347-360	4.2	13
254	Inclusive dijet cross sections in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2010 , 70, 965-982	4.2	13
253	High-ET dijet photoproduction at HERA. <i>Physical Review D</i> , 2007 , 76,	4.9	13
252	Fluctuations of anisotropic flow in Pb+Pb collisions at ($\sqrt{\{\mathrm{mathrm{s}}\}_{\mathrm{NN}}\}} = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	13
251	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13
250	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	13
249	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> , 2019 , 79, 1	4.2	13

248	Operation and performance of the ATLAS Tile Calorimeter in Run1. <i>European Physical Journal C</i> , 2018 , 78, 987	4.2	13
247	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> , 2019 , 79, 1	4.2	12
246	Measurement of the W W + W Z cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at (\sqrt{s} =7) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
245	Higgs boson production cross-section measurements and their EFT interpretation in the (4ℓ) decay channel at (\sqrt{s} =)13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	12
244	Search for new phenomena with photon+jet events in proton-proton collisions at (\sqrt{s} =13) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
243	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
242	Search for strong gravity in multijet final states produced in pp collisions at (\sqrt{s} =13) TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
241	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 232	4.2	12
240	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1-46	5.4	12
239	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at (\sqrt{s} =13) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
238	Search for Higgs boson pair production in the WW(*)WW(*) decay channel using ATLAS data recorded at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	12
237	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> , 2014 , 74, 2895	4.2	12
236	Measurement of the inclusive jet cross-sections in proton-proton collisions at (\sqrt{s} =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
235	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at (\sqrt{s} =13) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
234	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$ in (\sqrt{s} =13) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
233	Measurements of top quark spin observables in ($\overline{t}t$) events using dilepton final states in (\sqrt{s} =8) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
232	Measurement of the flavour composition of dijet events in pp collisions at (\sqrt{s} =7 TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
231	Measurement of heavy-quark jet photoproduction at HERA. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	12

230	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , 2010 , 70, 755-785	4.2	12
229	Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2007 , 51, 289-299	4.2	12
228	Multijet production at low in deep inelastic scattering at HERA. <i>Nuclear Physics B</i> , 2007 , 786, 152-180	2.8	12
227	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> , 2003 , 551, 226-240	4.2	12
226	Search for resonance decays to a π^0 plus jet in e+p scattering at DESY HERA. <i>Physical Review D</i> , 2001 , 63,	4.9	12
225	Measurement of the top-quark mass in $(\overline{t}) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	12
224	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> , 2019 , 79, 1	4.2	11
223	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 129	4.2	11
222	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13 TeV . <i>European Physical Journal C</i> , 2019 , 79,	4.2	11
221	Measurement of lepton differential distributions and the top quark mass in production in collisions at \sqrt{s} TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 804	4.2	11
220	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
219	Study of and production in collisions at and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , 2017 , 77, 646	4.2	11
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217	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	11
216	Measurement of W and Z production in proton-proton collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	11
215	Observation of scaling violations in scaled momentum distributions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 428-443	4.2	11
214	Beauty photoproduction using decays into electrons at HERA. <i>Physical Review D</i> , 2008 , 78,	4.9	11
213	Forward-jet production in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2007 , 52, 515-530	4.2	11

212	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> , 2004 , 583, 41-58	4.2	11
211	Substructure dependence of jet cross sections at HERA and determination of β_s . <i>Nuclear Physics B</i> , 2004 , 700, 3-50	2.8	11
210	Multiplicity moments in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 510, 36-54	4.2	11
209	Search for signatures of dilepton gauge bosons in HERA and LEP-II-LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 495-499	4.2	11
208	Jet energy scale and resolution measured in proton-proton collisions at (\sqrt{s})=13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	11
207	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at (\sqrt{s})=13 TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
206	Combined QCD and electroweak analysis of HERA data. <i>Physical Review D</i> , 2016 , 93,	4.9	10
205	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in (\sqrt{s})=8 TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
204	Measurement of the CP-violating phase ϕ_s and the B^0_s meson decay width difference with $B^0_s \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
203	Search for diboson resonances in hadronic final states in 139 fb $^{-1}$ of pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
202	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
201	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at \sqrt{s} TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 765	4.2	10
200	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	10
199	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> , 2004 , 583, 231-246	4.2	10
198	Measurement of diffractive production of $D^*(2010)$ mesons in deep-inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 545, 244-260	4.2	10
197	Photoproduction of isolated photons, inclusively and with a jet, at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 730, 293-301	4.2	9
196	Measurement of the ZZ production cross section in proton-proton collisions at (\sqrt{s})=8 TeV using the ZZ $\rightarrow \mu^+\mu^-$ and (ZZto $\{e\}^+\{e\}^+\nu$ overline{nu}) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
195	Measurement of charged-particle distributions sensitive to the underlying event in (\sqrt{s})=13 TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9

194	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> , 2014 , 2014, 1	5.4	9
193	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> , 2007 , 652, 1-12	4.2	9
192	Three-jet production in diffractive deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 516, 273-292	4.2	9
191	Readout system for a cylindrical drift chamber Michie. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1985 , 237, 559-566 ^{1,2}	1.2	9
190	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
189	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4($\ell\ell$) decay channel at $(\sqrt{s}) = 13$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
188	Measurement of the cross-section ratio $\sigma(\text{DIS}) / \sigma(\text{DIS})$ in deep inelastic exclusive ep scattering at HERA. <i>Nuclear Physics B</i> , 2016 , 909, 934-953	2.8	9
187	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
186	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
185	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> , 2019 , 2019, 1	5.4	8
184	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
183	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ⁻¹ of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
182	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016 , 11, P05013-P05013	1	8
181	Production of exclusive dijets in diffractive deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	8
180	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> , 2019 , 2019, 1	5.4	8
179	Measurement of splitting scales in \rightarrow events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4.2	8
178	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 144	4.2	8
177	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	8

176	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 158	4.2	8
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174	Inclusive $K(S)^*(0)K(S)^*(0)$ resonance production in ep collisions at HERA. <i>Physical Review Letters</i> , 2008 , 101, 112003	7.4	8
173	Evidence for $(t\bar{t})$ production in the multilepton final state in proton-proton collisions at $(\sqrt{s}=13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
172	Search for light long-lived neutral particles produced in pp collisions at $(\sqrt{s} = 13\text{-}\mathrm{TeV})$ and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
171	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
170	Measurements of top-quark pair spin correlations in the $(e\mu)$ channel at $(\sqrt{s} = 13)$ TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
169	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
168	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 ⁻¹) of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
167	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
166	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $(\sqrt{s}=8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
165	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb ⁻¹ of $(\sqrt{s}) = 13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
164	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 784	4.2	8
163	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
162	Measurements of inclusive and differential fiducial cross-sections of $(t\bar{t})\gamma$ production in leptonic final states at $(\sqrt{s}=13\text{-}\mathrm{TeV})$ in ATLAS. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
161	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $(\sqrt{s}) = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
160	Transverse momentum and process dependent azimuthal anisotropies in $(\sqrt{s}_{\mathrm{NN}}=8.16)$ TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
159	Search for new phenomena in high-mass final states with a photon and a jet from collisions at $= 13\text{-}\mathrm{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 102	4.2	7

158	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 683	4.2	7
157	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> , 2016 , 757, 468-472	4.2	7
156	Measurement of differential cross sections and W ⁺ /W ⁻ cross-section ratios for W boson production in association with jets at (sqrt{s}=8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
155	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
154	Measurement of D [*] π production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
153	Measurement of D π production in deep inelastic ep scattering with the ZEUS detector at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
152	Measurement of the (toverline{t}γ) production cross section in proton-proton collisions at (sqrt{s}=8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
151	Measurements of top-quark pair to Z-boson cross-section ratios at (sqrt{s}=13) , 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
150	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in (sqrt{s}=13) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
149	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using (sqrt{s}=13) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
148	Studies of Zl production in association with a high-mass dijet system in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
147	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at (sqrt{s}=8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
146	Exclusive electroproduction of two pions at HERA. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	7
145	Subjet distributions in deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2009 , 63, 527-548	4.2	7
144	Measurement of meson production in scattering at low. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 649, 111-121	4.2	7
143	Observation of K _s 0K _s 0 resonances in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 578, 33-44	4.2	7
142	Properties of hadronic final states in diffractive deep inelastic ep scattering at DESY HERA. <i>Physical Review D</i> , 2002 , 65,	4.9	7
141	Measurement of the transverse momentum distribution of Drell lepton pairs in proton-proton collisions at (sqrt{s}=13,)TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7

140	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at ($\sqrt{s} = 13$, {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
139	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the ($\ell\ell$ bb) and ($\ell\ell$ WW) final states in pp collisions at ($\sqrt{s}=13$) (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
138	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> , 2016 , 76, 670	4.2	7
137	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> , 2016 , 76, 541	4.2	7
136	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> , 2016 , 76, 81	4.2	7
135	Measurement of (W^{\pm}) boson production in Pb+Pb collisions at ($\sqrt{s_{\mathrm{NN}}} = 5.02$ ~text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
134	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
133	Measurements of WH and ZH production in the ($H \rightarrow b\bar{b}$) decay channel in pp collisions at ($\sqrt{s} = 13$, text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
132	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 238	4.2	6
131	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at ($\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	6
130	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
129	Top-quark mass measurement in the all-hadronic ($t \rightarrow b\bar{b}$) decay channel at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
128	Measurement of dijet photoproduction for events with a leading neutron at HERA. <i>Nuclear Physics B</i> , 2010 , 827, 1-33	2.8	6
127	Measurement of J/ψ photoproduction at large momentum transfer at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	6
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122	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
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115	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at (\sqrt{s}) = 13 and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
114	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> , 2018 , 78, 186	4.2	5
113	Measurement of inelastic J/ψ and ψ' photoproduction at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	5
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111	Measurement of four-jet differential cross sections in (\sqrt{s} =8) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-76	5.4	5
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109	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> , 1998 , 434, 214-230	4.2	5
108	Multijet cross sections in charged current $e\bar{p}$ scattering at HERA. <i>Physical Review D</i> , 2008 , 78,	4.9	5
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105	Search for the $HH \rightarrow (b\bar{b})(b\bar{b})$ process via vector-boson fusion production using proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	5

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90	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	4
89	Measurement of J/ψ production in association with a $W\pi$ boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	4
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58	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at (\sqrt{s})=8 TeV with the ATLAS detector 2015 , 75, 1		2
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34	Search for top squarks in events with a Higgs or Z boson using 139 fb ⁻¹ of pp collision data at (\sqrt{s} =13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	1
33	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb ⁻¹ of (\sqrt{s} =13) TeV pp collisions with the ATLAS detector 2018 , 2018, 1		1

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