

Matteo Bauce

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747
papers

18,687
citations

58
h-index

94
g-index

787
ext. papers

22,861
ext. citations

5
avg, IF

3.17
L-index

#	Paper	IF	Citations
747	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments. <i>Physical Review Letters</i> , 2015 , 114, 191803	7.4	709
746	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	364
745	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
744	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
743	Evidence for a mass dependent forward-backward asymmetry in top quark pair production. <i>Physical Review D</i> , 2011 , 83,	4.9	219
742	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 299	4.2	202
741	Luminosity determination in collisions at $\sqrt{s}=8$ TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
740	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at $\sqrt{s}=13$ and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 6	4.2	185
739	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
738	Evidence for a particle produced in association with weak bosons and decaying to a bottom-antibottom quark pair in higgs boson searches at the tevatron. <i>Physical Review Letters</i> , 2012 , 109, 071804	7.4	175
737	Search for an additional, heavy Higgs boson in the $h \rightarrow b\bar{b}$ decay channel at $\sqrt{s}=13$ TeV in pp collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 45	4.2	152
736	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 581	4.2	148
735	Observation of Long-Range Elliptic Azimuthal Anisotropies in $\sqrt{s}=13$ and 2.76 TeV pp Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2016 , 116, 172301	7.4	140
734	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
733	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4.9	126
732	Combined measurements of Higgs boson production and decay using up to 80 fb ⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV collected with the ATLAS experiment. <i>Physical Review D</i> , 2020 , 101,	4.9	121
731	Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 173-191	4.2	118

730	Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017 , 96,	4.9	116
729	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
728	Invariant mass distribution of jet pairs produced in association with a W boson in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 171801	7.4	105
727	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
726	Search for new phenomena in dijet mass and angular distributions from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 302-322	4.2	104
725	Combination of the top-quark mass measurements from the Tevatron collider. <i>Physical Review D</i> , 2012 , 86,	4.9	104
724	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
723	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. <i>Physical Review D</i> , 2013 , 87,	4.9	96
722	Observation of the baryonic flavor-changing neutral current decay $B(0) \rightarrow \mu \mu$. <i>Physical Review Letters</i> , 2011 , 107, 201802	7.4	95
721	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
720	Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s}=13$ TeV with the ATLAS Detector at the LHC. <i>Physical Review Letters</i> , 2016 , 117, 182002	7.4	92
719	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
718	Search for new phenomena in dijet events using 37 fb of pp collision data collected at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017 , 96,	4.9	89
717	Measurements of the angular distributions in the decays $B \rightarrow K^{(*)} \mu \mu$ at CDF. <i>Physical Review Letters</i> , 2012 , 108, 081807	7.4	89
716	Search for a CP-odd Higgs boson decaying to Zh in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 744, 163-183	4.2	88
715	Searches for Higgs boson pair production in the $hh \rightarrow b\bar{b} \mu\mu W^* \mu\mu$, Bb , $bbbb$ channels with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	87
714	Observation of $H \rightarrow b\bar{b}$ decays and VH production with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 786, 59-86	4.2	87
713	Search for high-mass diphoton resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	85

712	Search for high-mass dilepton resonances using 139 fb ⁻¹ of pp collision data collected at s=13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 68-87	4.2	82
711	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
710	Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb ⁻¹ of s=13 TeV pp collision data with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	80
709	Measurement of the difference in CP-violating asymmetries in D(0)-K(+)K(-) and D(0)-K(+)K(0) decays at CDF. <i>Physical Review Letters</i> , 2012 , 109, 111801	7.4	77
708	Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in pp collisions at s=8 TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	75
707	Precise measurement of the W-boson mass with the CDF II detector. <i>Physical Review Letters</i> , 2012 , 108, 151803	7.4	74
706	Measurements of Higgs boson properties in the diphoton decay channel with 36 fb ⁻¹ of pp collision data at s=13 TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	74
705	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
704	Higgs boson studies at the Tevatron. <i>Physical Review D</i> , 2013 , 88,	4.9	73
703	Measurement of the total cross section from elastic scattering in pp collisions at s=8TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 158-178	4.2	72
702	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
701	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
700	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
699	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
698	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
697	Search for B(s)(0) \rightarrow K ⁰ and B(0) \rightarrow K ⁰ decays with CDF II. <i>Physical Review Letters</i> , 2011 , 107, 191801	7.4	64
696	Measurement of W [±] and Z-boson production cross sections in pp collisions at s=13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 601-621	4.2	64
695	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

694	Search for dark matter in events with one jet and missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 211804	7.4	63
693	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
692	Measurement of the τ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
691	Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2015 , 92,	2.7	59
690	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
689	A search for (\overline{t}) resonances using lepton-plus-jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	57
688	Measurement of CP-violating asymmetries in $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^-$ decays at CDF. <i>Physical Review D</i> , 2012 , 85,	4.9	57
687	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
686	Precision measurement and interpretation of inclusive τ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4.2	56
685	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
684	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
683	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
682	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 392	4.2	53
681	Search for new phenomena in events with at least three photons collected in collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 210	4.2	53
680	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
679	Search for new phenomena in high-mass diphoton final states using 37 fb $^{-1}$ of proton-proton collisions collected at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 775, 105-125	4.2	52
678	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
677	Search for dark matter at $\sqrt{s}=13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 393	4.2	52

676	Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	52
675	Search for the associated production of the Higgs boson with a top quark pair in multilepton final states with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 749, 519-541	4.2	51
674	Search for scalar leptoquarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. <i>New Journal of Physics</i> , 2016 , 18, 093016	2.9	51
673	Electron and photon performance measurements with the ATLAS detector using the 2015–2017 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P12006-P12006	1	51
672	Evidence for the $(H \rightarrow b\bar{b})$ decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
671	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $[Formula: see text] \sqrt{s}$ [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 208	4.2	50
670	Search for heavy bottomlike quarks decaying to an electron or muon and jets in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 141803	7.4	50
669	Measurement of charged-particle spectra in Pb+Pb collisions at $(\sqrt{s_{\mathit{NN}}}=2.76)$ TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	49
668	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
667	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
666	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
665	Search for supersymmetry at [Formula: see text] \sqrt{s} 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
664	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
663	Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 372-392	4.2	48
662	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 121, 211801	7.4	48
661	Measurement of the prompt $[Formula: see text]$ pair production cross-section in collisions at [Formula: see text] \sqrt{s} with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 76	4.2	47
660	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
659	Measurements of $W\cancel{Z}$ production cross sections in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector and limits on anomalous gauge boson self-couplings. <i>Physical Review D</i> , 2016 , 93,	4.9	47

658	Measurement of the $t\bar{t}$ production cross-section using e^+e^- events with b-tagged jets in pp collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 136-157	4.2	47
657	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. <i>Physical Review D</i> , 2014 , 89,	4.9	47
656	Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	47
655	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $t\bar{t}$ final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 263	4.2	46
654	Search for the electroweak production of supersymmetric particles in $\sqrt{s}=8\text{ TeV}$ pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	46
653	Search for lepton-flavour-violating $H \rightarrow \tau\mu$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	46
652	Measurement of branching ratio and B_{s0} lifetime in the decay $B_{s0} \rightarrow \mu^+\mu^-$ at CDF. <i>Physical Review D</i> , 2011 , 84,	4.9	46
651	Measurement of the bottom-strange meson mixing phase in the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 171802	7.4	46
650	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $(\sqrt{s}=8)\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	45
649	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. <i>Physical Review Letters</i> , 2019 , 122, 231801	7.4	45
648	Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 108-128	4.2	44
647	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=13\text{ TeV}$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 318	4.2	44
646	Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	44
645	Charged-particle distributions in $\sqrt{s}=13\text{ TeV}$ pp interactions measured with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 67-88 ^{4.2}	4.2	44
644	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at $\sqrt{s}=13\text{ TeV}$. <i>European Physical Journal C</i> , 2016 , 76, 154	4.2	44
643	Search for vectorlike B quarks in events with one isolated lepton, missing transverse momentum, and jets at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2015 , 91,	4.9	44
642	Search for charged Higgs bosons produced in association with a top quark and decaying via $H^\pm \rightarrow W^\pm Z$ using pp collision data recorded at $\sqrt{s}=13\text{TeV}$ by the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 555-574	4.2	44
641	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

640	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4.2	42
639	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 283	4.2	42
638	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
637	Measurements of the properties of $\Lambda(2595)$, $\Lambda(2625)$, $\Lambda(2455)$, and $\Lambda(2520)$ baryons. <i>Physical Review D</i> , 2011 , 84,	4.9	42
636	Measurement of $t\bar{t}$ spin correlation in pp collisions using the CDF II detector at the Tevatron. <i>Physical Review D</i> , 2011 , 83,	4.9	42
635	Measurement of the top quark mass in the $t\bar{t}$ dilepton channel from $s=8$ TeV ATLAS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 350-371	4.2	42
634	Search for heavy resonances in the $t\bar{t}$ and final states using proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4.2	41
633	Observation of Light-by-Light Scattering in Ultraperipheral Pb+Pb Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2019 , 123, 052001	7.4	41
632	Measurements of direct CP violating asymmetries in charmless decays of strange bottom mesons and bottom baryons. <i>Physical Review Letters</i> , 2011 , 106, 181802	7.4	41
631	Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $s=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4.9	41
630	Measurement of the Higgs boson mass in the $H \rightarrow ZZ \rightarrow 4\ell$ and $H \rightarrow Z\gamma$ channels with $s=13$ TeV pp collisions using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 345-366	4.2	41
629	Observation of s -channel production of single top quarks at the Tevatron. <i>Physical Review Letters</i> , 2014 , 112, 231803	7.4	40
628	Search for Higgs bosons decaying to aa in the $t\bar{t}$ final state in pp collisions at $s=8$ TeV with the ATLAS experiment. <i>Physical Review D</i> , 2015 , 92,	4.9	40
627	Search for pair production of a new heavy quark that decays into a W boson and a light quark in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	40
626	Study of orbitally excited B mesons and evidence for a new B_c resonance. <i>Physical Review D</i> , 2014 , 90,	4.9	40
625	Combination of CDF and D0 W -Boson mass measurements. <i>Physical Review D</i> , 2013 , 88,	4.9	39
624	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
623	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

622	First measurement of the angular coefficients of Drell-Yan $e^{+}e^{-}$ pairs in the Z mass region from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 241801	7.4	38
621	Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 318-337	4.2	38
620	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ (text {TeV}). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	37
619	Measurement of the forward-backward asymmetry in the $B \rightarrow K^{*}(\mu^{+}\mu^{-})$ decay and first observation of the $B(s) \rightarrow K^{*}(\mu^{+}\mu^{-})$ decay. <i>Physical Review Letters</i> , 2011 , 106, 161801	7.4	37
618	Measurements of the angular distributions of muons from B decays in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 151802	7.4	37
617	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
616	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^{*} \rightarrow 4\mu$ decay channel at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	36
615	Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay $H(\mu) \rightarrow W(\mu)Z$ using pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Experiment. <i>Physical Review Letters</i> , 2015 , 114, 231801	7.4	36
614	Precision top-quark mass measurement at CDF. <i>Physical Review Letters</i> , 2012 , 109, 152003	7.4	36
613	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
612	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
611	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
610	Search for pair production of Higgs bosons in the $bb \rightarrow bb$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4.9	35
609	Search for heavy charged long-lived particles in the ATLAS detector in 36.1 fb of proton-proton collision data at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	35
608	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
607	First search for multijet resonances in $\sqrt{s} = 1.96$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 107, 042001	7.4	35
606	Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for pp collisions at $\sqrt{s}=5.02$ and 13 TeV and $p+Pb$ collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2017 , 96,	2.7	34
605	Search for magnetic monopoles and stable particles with high electric charges in 8 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	34

604	Top quark mass measurement in the lepton + jets channel using a matrix element method and in situ jet energy calibration. <i>Physical Review Letters</i> , 2010 , 105, 252001	7.4	34
603	Publisher's Note: Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ Decays with CDF II [Phys. Rev. Lett. 107, 191801 (2011)]. <i>Physical Review Letters</i> , 2011 , 107,	7.4	34
602	Combination of CDF and D0 measurements of the W boson helicity in top quark decays. <i>Physical Review D</i> , 2012 , 85,	4.9	34
601	Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb ⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 647-665	4.2	34
600	Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	34
599	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 565	4.2	34
598	Search for Higgs and Z Boson Decays to J/ψ and $\psi(nS)$ with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 114, 121801	7.4	33
597	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $B\bar{b}$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 783, 392-414	4.2	33
596	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
595	Search for charged Higgs bosons in the $H \rightarrow b\bar{b}$ 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
594	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
593	Measurement of the top quark mass in the $t\bar{t} \rightarrow \mu^+ \mu^- b\bar{b}$ and $t\bar{t} \rightarrow \mu^+ \mu^- b\bar{c}$ channels using $\sqrt{s}=13$ TeV ATLAS data. <i>European Physical Journal C</i> , 2015 , 75, 330	4.2	32
592	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> , 2018 , 78, 18	4.2	32
591	Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the $H \rightarrow \mu^+ \mu^-$ and $H \rightarrow ZZ^{(*)} \rightarrow 4\ell$ Decay Channels at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 115, 091801	7.4	32
590	Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 115, 131801	7.4	32
589	Measurement of the CP-violating phase $\arg(\lambda)$ in $B_s^0 \rightarrow \mu^+ \mu^-$ decays with the CDF II detector. <i>Physical Review D</i> , 2012 , 85,	4.9	32
588	Evidence for the charmless annihilation decay mode $B(s)(0) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 211803	7.4	32
587	Measurement of D^*_{s1} , D^*_s and D_s^* meson production cross sections in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Nuclear Physics B</i> , 2016 , 907, 717-763	2.8	32

586	Search for pair production of Higgs bosons in the ($\overline{b}\overline{b}$) 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	3 ¹
585	Search for metastable heavy charged particles with large ionization energy loss in pp collisions at $s=13$ TeV using the ATLAS experiment. <i>Physical Review D</i> , 2016 , 93,	4.9	3 ¹
584	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	3 ¹
583	Searches for electroweak production of supersymmetric particles with compressed mass spectra in $s=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2020 , 101,	4.9	3 ¹
582	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	3 ¹
581	Search for the standard model Higgs boson produced in association with top quarks and decaying into a $b\overline{b}$ pair in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	3 ¹
580	Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $s=8$ TeV proton-proton collisions using the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	3 ⁰
579	Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2017 , 119, 191803	7.4	3 ⁰
578	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3 ⁰
577	Observation of exclusive $\overline{t}t$ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 081801	7.4	3 ⁰
576	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3 ⁰
575	Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 051801	7.4	3 ⁰
574	Measurement of total and differential $W + W \overline{t}t$ production cross sections in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	3 ⁰
573	Cross-section measurements of the Higgs boson decaying into a pair of τ leptons in proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	2 ⁹
572	Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	2 ⁹
571	Measurements of $Z\overline{t}t$ and $Zt\overline{t}$ production in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	2 ⁹
570	Search for the Dimuon Decay of the Higgs Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2017 , 119, 051802	7.4	2 ⁹
569	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	2 ⁹

568	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	29
567	Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	29
566	Z boson production in p+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV measured with the ATLAS detector. <i>Physical Review C</i> , 2015 , 92,	2.7	29
565	Measurement of exclusive $\mu\mu$ production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 749, 242-261	4.2	29
564	Measurement of the leptonic asymmetry in $t\bar{t}$ events produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	29
563	Transverse momentum, rapidity, and centrality dependence of inclusive charged-particle production in $\sqrt{s_{NN}}=5.02$ TeV p+ Pb collisions measured by the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 313-336	4.2	29
562	Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H\rightarrow\mu\mu$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 69-85	4.2	29
561	Search for Low-Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 081801	7.4	29
560	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 250	4.2	28
559	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 295	4.2	28
558	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 55	4.2	28
557	Measurement of the top pair production cross section in the dilepton decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	28
556	Search for a heavy toplike quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 261801	7.4	28
555	Search for minimal supersymmetric standard model Higgs Bosons H/A and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 585	4.2	28
554	Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ\rightarrow 4\ell$ and $ZZ\rightarrow 2\ell 2\mu$ final states with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 786, 223-244	4.2	28
553	Search for a Structure in the $B_{s^0}^0$ Invariant Mass Spectrum with the ATLAS Experiment. <i>Physical Review Letters</i> , 2018 , 120, 202007	7.4	28
552	Fiducial, total and differential cross-section measurements of γ -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 531	4.2	27
551	Observation of the Y (4140) structure in the J/ψ mass spectrum in $B\rightarrow J/\psi K$ decays. <i>Modern Physics Letters A</i> , 2017 , 32, 1750139	1.3	27

550	Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 337	4.2	27
549	Measurement of the exclusive $\bar{b}b$ process in proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 303-323	4.2	27
548	Search for diboson resonances with boson-tagged jets in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 91-113	4.2	27
547	Combination of searches for WW, WZ, and ZZ resonances in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 755, 285-305	4.2	27
546	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
545	Direct measurement of the total decay width of the top quark. <i>Physical Review Letters</i> , 2013 , 111, 202001	4.4	27
544	Study of the rare decays of [Formula: see text] and [Formula: see text] into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 513	4.2	27
543	Measurements of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow WW^* \rightarrow e\mu$ decay channel in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 508-529	4.2	27
542	Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. <i>Physical Review Letters</i> , 2018 , 120, 211802	7.4	27
541	Observation of Electroweak Production of a Same-Sign W Boson Pair in Association with Two Jets in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2019 , 123, 161801	7.4	26
540	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
539	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
538	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
537	Search for high mass resonances decaying to muon pairs in $\sqrt{s}=1.96$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 106, 121801	7.4	26
536	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
535	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
534	Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in pp and p+Pb collisions with the ATLAS detector at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2018 , 97,	2.7	25
533	Measurement of the ZZ Production Cross Section in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2016 , 116, 101801	7.4	25

532	Evidence for single top-quark production in the s-channel in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector using the Matrix Element Method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 756, 228-246	4.2	25
531	Measurement of the cross section for inclusive isolated-photon production in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 473-493	4.2	25
530	Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ Using 36 fb^{-1} of pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2017 , 119, 181804	7.4	25
529	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> , 2017 , 2017, 1	5.4	25
528	Search for pair production of strongly interacting particles decaying to pairs of jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 031802	7.4	25
527	Search for the standard model Higgs boson decaying to a $b\bar{b}$ pair in events with two oppositely charged leptons using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111803	7.4	25
526	Search for the standard model Higgs boson decaying to a $b\bar{b}$ pair in events with one charged lepton and large missing transverse energy using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111804	7.4	25
525	Search for bottom squark pair production in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 547	4.2	25
524	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
523	Search for long-lived particles produced in pp collisions at $\sqrt{s}=13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer. <i>Physical Review D</i> , 2019 , 99,	4.9	24
522	Search for pair production of gluinos decaying via stop and sbottom in events with b-jets and large missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4.9	24
521	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
520	Evidence for a bottom baryon resonance Λ_b^0 in CDF data. <i>Physical Review D</i> , 2013 , 88,	4.9	24
519	Measurement of polarization and search for CP violation in $B(s)0 \rightarrow \mu\mu$ decays. <i>Physical Review Letters</i> , 2011 , 107, 261802	7.4	24
518	Limits on anomalous trilinear gauge couplings in $Z\ell\ell$ events from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 051802	7.4	24
517	Observation of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2011 , 107, 102001	7.4	24
516	Measurement of the mass difference between t and \bar{t} quarks. <i>Physical Review Letters</i> , 2011 , 106, 152001	7.4	24
515	Transverse momentum cross section of e^+e^- pairs in the Z-boson region from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	24

514	Measurement of the WZ cross section and triple gauge couplings in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	24
513	Combination of searches for Higgs boson pairs in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135103	4.2	24
512	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> , 2016 , 76, 442	4.2	24
511	Measurement of the Soft-Drop Jet Mass in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 121, 092001	7.4	24
510	Search for dark matter in association with a Higgs boson decaying to b-quarks in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 11-31	4.2	23
509	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
508	Measurement of exclusive $\text{EW}+W\text{P}$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4.9	23
507	Tevatron Combination of Single-Top-Quark Cross Sections and Determination of the Magnitude of the Cabibbo-Kobayashi-Maskawa Matrix Element V_{tb} . <i>Physical Review Letters</i> , 2015 , 115, 152003	7.4	23
506	Measurements of direct CP-violating asymmetries in charmless decays of bottom baryons. <i>Physical Review Letters</i> , 2014 , 113, 242001	7.4	23
505	Search for Higgs bosons produced in association with b quarks. <i>Physical Review D</i> , 2012 , 85,	4.9	23
504	Diffraction W and Z production at the Fermilab Tevatron. <i>Physical Review D</i> , 2010 , 82,	4.9	23
503	Direct top-quark width measurement at CDF. <i>Physical Review Letters</i> , 2010 , 105, 232003	7.4	23
502	Measurement of b hadron lifetimes in exclusive decays containing a J/ψ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 121804	7.4	23
501	Search for New T' particles in final states with large jet multiplicities and missing transverse energy in p p collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 191803	7.4	23
500	Search for production of heavy particles decaying to top quarks and invisible particles in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 191801	7.4	23
499	Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 251-268	4.2	23
498	Dijet production in $\sqrt{s}=7$ TeV pp collisions with large rapidity gaps at the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 214-234	4.2	23
497	Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 316-335	4.2	23

496	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb ^{−1} of collisions at \sqrt{s} TeV with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 401	4.2	23
495	Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b\bar{b}$ Decay Channel in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 121, 191801	7.4	23
494	Combination of searches for heavy resonances decaying into bosonic and leptonic final states using 36 fb ^{−1} of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	23
493	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
492	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
491	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
490	Observation of electroweak $W\cancel{Z}$ boson pair production in association with two jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 469-492	4.2	22
489	Search for heavy long-lived multi-charged particles in collisions at \sqrt{s} TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 362	4.2	22
488	Search for W W/W Z resonance production in $\bar{b}q$ final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
487	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
486	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb ^{−1} of ($\sqrt{s}=13$) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	22
485	Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector at the LHC. <i>Physical Review D</i> , 2015 , 92,	4.9	22
484	A search for high-mass resonances decaying to $\bar{b}b$ 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
483	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
482	Measurement of the inclusive leptonic asymmetry in top-quark pairs that decay to two charged leptons at CDF. <i>Physical Review Letters</i> , 2014 , 113, 042001	7.4	22
481	Measurement of the masses and widths of the bottom baryons Λ_b and Λ_b^* . <i>Physical Review D</i> , 2012 , 85,	4.9	22
480	Top quark mass measurement using the template method at CDF. <i>Physical Review D</i> , 2011 , 83,	4.9	22
479	Search for a new heavy gauge boson W' with event signature electron+missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	22

478	Evidence for $t\bar{t}$ production and measurement of $\sigma_{t\bar{t}}$ <i>Physical Review D</i> , 2011 , 84,	4.9	22
477	Combined search for the standard model Higgs boson decaying to a $b\bar{b}$ pair using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111802	7.4	22
476	Search for pair and single production of vectorlike quarks in final states with at least one Z boson decaying into a pair of electrons or muons in pp collision data collected with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	22
475	Search for invisible Higgs boson decays in vector boson fusion at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 499-519	4.2	21
474	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using $\sqrt{s}=13$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 334-355	4.2	21
473	Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional γ -jets in collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 11	4.2	21
472	Measurement of the cross section for direct-photon production in association with a heavy quark in $pp(\bar{p}\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 042003	7.4	21
471	Measurement of the differential cross section $d\sigma/d(\cos(\theta))$ for Top-Quark Pair Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 182002	7.4	21
470	Study of substructure of high transverse momentum jets produced in proton-antiproton collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	21
469	Study of hard double-parton scattering in four-jet events in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
468	A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 812, 135980	4.2	21
467	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
466	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
465	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
464	$ZZ\rightarrow 4\ell$ cross-section measurements and search for anomalous triple gauge couplings in 13 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	21
463	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
462	Search for Scalar Charm Quark Pair Production in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 114, 161801	7.4	20
461	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

460	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
459	Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $qq(\gamma)bb$ final state in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 494-515	4.2	20
458	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> , 2017 , 2017, 1	5.4	20
457	Measurement of the top pair production cross section in 8 TeV proton-proton collisions using kinematic information in the lepton+jets final state with ATLAS. <i>Physical Review D</i> , 2015 , 91,	4.9	20
456	Evidence of W Production in pp Collisions at $\sqrt{s}=8$ TeV and Limits on Anomalous Quartic Gauge Couplings with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 115, 031802	7.4	20
455	Observation of D^0 - \bar{D}^0 mixing using the CDF II detector. <i>Physical Review Letters</i> , 2013 , 111, 231802	7.4	20
454	Observation of the production of a W boson in association with a single charm quark. <i>Physical Review Letters</i> , 2013 , 110, 071801	7.4	20
453	Observation of B_{s0} - \bar{B}_{s0} and B_{s0} - \bar{B}_{s0} decays. <i>Physical Review D</i> , 2011 , 83,	4.9	20
452	Measurement of ZZ production in leptonic final states at \sqrt{s} of 1.96 TeV at CDF. <i>Physical Review Letters</i> , 2012 , 108, 101801	7.4	20
451	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> , 2016 , 76, 565	4.2	20
450	Search for Higgs boson decays into a pair of light bosons in the bb final state in pp collision at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 1-21	4.2	20
449	Measurement of the boson polarisation in $W\gamma$ events from collisions at $\sqrt{s}=8$ TeV in the lepton+jets channel with ATLAS. <i>European Physical Journal C</i> , 2017 , 77, 264	4.2	19
448	Performance of top-quark and W -boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	19
447	Measurement of central exclusive $\gamma\gamma$ production in pp collisions at $s=0.9$ and 1.96 TeV at CDF. <i>Physical Review D</i> , 2015 , 91,	4.9	19
446	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> , 2017 , 77, 898	4.2	19
445	Study of the material of the ATLAS inner detector for Run 2 of the LHC. <i>Journal of Instrumentation</i> , 2017 , 12, P12009-P12009	1	19
444	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> , 2017 , 77, 872	4.2	19
443	Measurement of differential J/ψ production cross sections and forward-backward ratios in p + Pb collisions with the ATLAS detector. <i>Physical Review C</i> , 2015 , 92,	2.7	19

442	Measurement of transverse energy-energy correlations in multi-jet events in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector and determination of the strong coupling constant $\alpha_s(m_Z)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 750, 427-447	4.2	19
441	Search for the supersymmetric partner of the top quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	19
440	Search for new dielectron resonances and Randall-Sundrum gravitons at the collider detector at Fermilab. <i>Physical Review Letters</i> , 2011 , 107, 051801	7.4	19
439	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 403	4.2	19
438	Search for pair production of heavy vectorlike quarks decaying into hadronic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	19
437	Search for High-Mass Resonances Decaying to $\mu\mu$ in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 120, 161802	7.4	18
436	Measurement of jet charge in dijet events from $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	18
435	Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s}=8$ TeV Measured with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 114, 221802	7.4	18
434	Search for a Heavy Neutral Particle Decaying to $e\bar{e}$ or $\mu\mu$ in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 115, 031801	7.4	18
433	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
432	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
431	Mass and lifetime measurements of bottom and charm baryons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	18
430	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> , 2016 , 76, 87	4.2	18
429	Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in Pb+Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 121, 212301	7.4	18
428	Search for new resonances decaying to a W or Z boson and a Higgs boson in the $\mu\bar{\mu}b\bar{b}$, $b\bar{b}b\bar{b}$ and $\mu\bar{\mu}b\bar{b}$ channels with pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 32-52	4.2	17
427	Search for anomalous electroweak production of WW/WZ in association with a high-mass dijet system in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017 , 95,	4.9	17
426	Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2020 , 101,	4.9	17
425	Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017 , 96,	4.9	17

424	Search for type-III seesaw heavy leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	17
423	Diffractive dijet production in p <p> collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i>, 2012, 86,</p>	4.9	17
422	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> , 2020 , 80, 1	4.2	17
421	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s}=13$ TeV collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 517	4.2	17
420	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 229-246	4.2	17
419	Measurement of the $W\bar{W}$ boson pair-production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 1-22	4.2	17
418	Search for heavy charged long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV using an ionisation measurement with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 96-116	4.2	17
417	Search for heavy resonances decaying to a Z boson and a photon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 11-30	4.2	16
416	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> , 2019 , 79, 1	4.2	16
415	ATLAS data quality operations and performance for 2015-2018 data-taking. <i>Journal of Instrumentation</i> , 2020 , 15, P04003-P04003	1	16
414	Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	16
413	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> , 2016 , 2016, 1	5.4	16
412	Search for the Standard Model Higgs boson decaying into ($b\bar{b}$) 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> , 2016 , 2016, 1	5.4	16
411	Indirect measurement of $\sin^2 2\bar{W}$ (or $M\bar{W}$) using $\bar{W}\bar{W}$ pairs from \bar{W}/Z bosons produced in pp collisions at a center-of-momentum energy of 1.96 TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	16
410	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
409	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
408	Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4.9	16
407	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> , 2015 , 2015, 1	5.4	16

406	Precise measurement of the W-boson mass with the Collider Detector at Fermilab. <i>Physical Review D</i> , 2014 , 89,	4.9	16
405	Search for scalar top quark production in ($p\bar{p}$) collisions at ($\sqrt{s}=1.96;\mathrm{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	16
404	Measurement of the cross section for prompt isolated diphoton production using the full CDF run II data sample. <i>Physical Review Letters</i> , 2013 , 110, 101801	7.4	16
403	Search for $B_s0\rightarrow\mu\mu$ and $B0\rightarrow\mu\mu$ decays with the full CDF Run II data set. <i>Physical Review D</i> , 2013 , 87,	4.9	16
402	Exclusion of exotic top-like quarks with $\frac{2}{3}$ electric charge using jet-charge tagging in single-lepton $t\bar{t}$ events at CDF. <i>Physical Review D</i> , 2013 , 88,	4.9	16
401	Search for Randall-Sundrum gravitons in the diphoton channel at CDF. <i>Physical Review D</i> , 2011 , 83,	4.9	16
400	Search for resonant production of $t\bar{t}$ pairs in 4.8 fb^{-1} of integrated luminosity of pp collisions at $s=1.96\text{ TeV}$. <i>Physical Review D</i> , 2011 , 84,	4.9	16
399	Search for new physics in high p_T like-sign dilepton events at CDF II. <i>Physical Review Letters</i> , 2011 , 107, 181801	7.4	16
398	Search for neutral Higgs bosons in events with multiple bottom quarks at the Tevatron. <i>Physical Review D</i> , 2012 , 86,	4.9	16
397	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , 2016 , 76, 526	4.2	16
396	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> , 2016 , 76, 605	4.2	16
395	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> , 2016 , 76, 12	4.2	16
394	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> , 2019 , 79, 1	4.2	16
393	Search for supersymmetry in events with four or more leptons in $s=13\text{ TeV}$ pp collisions with ATLAS. <i>Physical Review D</i> , 2018 , 98,	4.9	16
392	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> , 2019 , 79, 1	4.2	15
391	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> , 2015 , 75, 231	4.2	15
390	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2020 , 124, 031802	7.4	15
389	Measurements of four-lepton production in pp collisions at $s=8\text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 552-572	4.2	15

388	Search for $W \rightarrow b$ decays in the hadronic final state using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 327-348	4.3	15
387	Measurement of W-boson polarization in top-quark decay using the full CDF Run II data set. <i>Physical Review D</i> , 2013 , 87,	4.9	15
386	Measurement of jet pT correlations in Pb + Pb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 379-402	4.2	15
385	Measurements of $\Upsilon(2S)$ and $X(3872) \rightarrow J/\psi \pi\pi$ production in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	15
384	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> , 2017 , 77, 563	4.2	15
383	Determination of the Ratio of b-Quark Fragmentation Fractions $f(s)/f(d)$ in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 115, 262001	7.4	15
382	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> , 2015 , 2015, 1	5.4	15
381	Measurement of the top quark mass in the all-hadronic mode at CDF. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 24-31	4.2	15
380	Measurement of the Bc meson lifetime in the decay $B_c \rightarrow \mu \nu$. <i>Physical Review D</i> , 2013 , 87,	4.9	15
379	Search for resonant top-antitop production in the lepton plus jets decay mode using the full CDF data set. <i>Physical Review Letters</i> , 2013 , 110, 121802	7.4	15
378	Measurement of the cross section for prompt isolated diphoton production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	15
377	Measurements of branching fraction ratios and CP-asymmetries in suppressed $B \rightarrow (-K^+ \pi^0) K^0$ and $B \rightarrow (-K^+ \pi^0) \pi^0$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	15
376	Search for a dark matter candidate produced in association with a single top quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 201802	7.4	15
375	Measurement of $B_{s0} \rightarrow D_s^{(*)} + D_s^{(*)-}$ branching ratios. <i>Physical Review Letters</i> , 2012 , 108, 201801	7.4	15
374	Dijet Resonance Search with Weak Supervision Using $\sqrt{s}=13$ TeV pp Collisions in the ATLAS Detector. <i>Physical Review Letters</i> , 2020 , 125, 131801	7.4	15
373	CP Properties of Higgs Boson Interactions with Top Quarks in the $t\overline{t}H$ and tH Processes Using $H \rightarrow \mu\mu$ with the ATLAS Detector. <i>Physical Review Letters</i> , 2020 , 125, 061802	7.4	15
372	Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and pp collisions with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 167-190	4.2	15
371	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 625	4.2	15

370	Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the jj final state in pp collisions at $s=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 750-767	4.2	15
369	Measurement of the $[Formula: see text]$ and $[Formula: see text]$ production cross sections in multilepton final states using 3.2fb $[Formula: see text]$ of $[Formula: see text]$ collisions at $[Formula: see text] = 13\text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 40	4.2	14
368	Measurements of electroweak $[Formula: see text]$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 474	4.2	14
367	Correlated long-range mixed-harmonic fluctuations measured in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 444-471	4.2	14
366	Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 557-577	4.2	14
365	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> , 2016 , 2016, 1	5.4	14
364	Measurement of the ttZ and ttW cross sections in proton-proton collisions at $s=13\text{TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	14
363	Search for a right-handed gauge boson decaying into a high-momentum heavy neutrino and a charged lepton in pp collisions with the ATLAS detector at $s=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134942	4.2	14
362	Indirect measurement of $\sin 2\alpha$ (M_W) using e^+e^- pairs in the Z-boson region with pp collisions at a center-of-momentum energy of 1.96 TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	14
361	Measurement of colour flow with the jet pull angle in tt events using the ATLAS detector at $s=8\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 750, 475-493	4.2	14
360	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow WW^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
359	Search for a Higgs boson in the diphoton final state using the full CDF data set from . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 173-181	4.2	14
358	Combination of searches for the Higgs boson using the full CDF data set. <i>Physical Review D</i> , 2013 , 88,	4.9	14
357	Measurement of $R=B(t \rightarrow Wb)/B(t \rightarrow Wq)$ in top-quark-pair decays using lepton+jets events and the full CDF run II dataset. <i>Physical Review D</i> , 2013 , 87,	4.9	14
356	Search for heavy metastable particles decaying to jet pairs in pp collisions at $s=1.96\text{TeV}$. <i>Physical Review D</i> , 2012 , 85,	4.9	14
355	Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $s=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 68-88	4.2	14
354	Search for pair production of Higgsinos in final states with at least three b-tagged jets in $s=13\text{TeV}$ pp collisions using the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	14
353	Combined measurement of differential and total cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channels at $s=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 786, 114-133	4.2	14

352	Searches for exclusive Higgs and Z boson decays into $J/\psi(\psi S)$ and $\psi(nS)$ at $s=13\text{TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 786, 134-155	4.2	14
351	Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in $s=13\text{ TeV}$ pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	14
350	High-precision measurement of the boson mass with the CDF II detector.. <i>Science</i> , 2022 , 376, 170-176	33.3	14
349	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> , 2017 , 77, 292	4.2	13
348	High-ET isolated-photon plus jets production in pp collisions at $s=8\text{TeV}$ with the ATLAS detector. <i>Nuclear Physics B</i> , 2017 , 918, 257-316	2.8	13
347	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> , 2017 , 77, 141	4.2	13
346	Search for long-lived particles in final states with displaced dimuon vertices in pp collisions at $s=13\text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	13
345	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^*e\bar{e}$ with the ATLAS detector at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
344	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> , 2016 , 2016, 1	5.4	13
343	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
342	Measurement of top quark pair differential cross sections in the dilepton channel in pp collisions at $s=7$ and 8 TeV with ATLAS. <i>Physical Review D</i> , 2016 , 94,	4.9	13
341	Search for single production of a vector-like quark via a heavy gluon in the $4b$ final state with the ATLAS detector in pp collisions at $s=8\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 249-268	4.2	13
340	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
339	Measurement of WW vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector. <i>Physical Review D</i> , 2017 , 96,	4.9	13
338	Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. <i>Physical Review C</i> , 2017 , 95,	2.7	13
337	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
336	Evidence for s-channel single-top-quark production in events with one charged lepton and two jets at CDF. <i>Physical Review Letters</i> , 2014 , 112, 231804	7.4	13
335	Search for resonant production of $t\bar{t}$ decaying to jets in pp collisions at $s=1.96\text{ TeV}$. <i>Physical Review D</i> , 2011 , 84,	4.9	13

334	Search for the standard model Higgs Boson produced in association with top quarks using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 181802	7.4	13
333	Searches for lepton-flavour-violating decays of the Higgs boson in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135069	4.2	13
332	Performance of the ATLAS muon triggers in Run 2. <i>Journal of Instrumentation</i> , 2020 , 15, P09015-P090151		13
331	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
330	Search for direct stau production in events with two hadronic leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2020 , 101,	4.9	13
329	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
328	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
327	Operation and performance of the ATLAS Tile Calorimeter in Run 1. <i>European Physical Journal C</i> , 2018 , 78, 987	4.2	13
326	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> , 2020 , 80, 1	4.2	12
325	Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2020 , 102,	4.9	12
324	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
323	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
322	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
321	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
320	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
319	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
318	Measurements of $t\bar{t}$ differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	12
317	Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from pp and Pb+Pb Collisions in ATLAS. <i>Physical Review Letters</i> , 2019 , 123, 042001	7.4	12

316	Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	12
315	Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 56-75	4.2	12
314	Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 775, 206-228	4.2	12
313	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
312	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
311	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \mu\mu$ in ($\sqrt{s}=13$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
310	Measurements of top quark spin observables in (\overline{t}) events using dilepton final states in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
309	Updated search for the standard model Higgs boson in events with jets and missing transverse energy using the full CDF data set. <i>Physical Review D</i> , 2013 , 87,	4.9	12
308	Search for the standard model Higgs boson decaying to a bb pair in events with no charged leptons and large missing transverse energy using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111805	7.4	12
307	Search for a low-mass standard model Higgs boson in the $\tau\tau$ decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 181804	7.4	12
306	Measurement of the azimuthal anisotropy of charged-particle production in Xe+Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2020 , 101,	2.7	12
305	Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 334-352	4.2	12
304	Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 100,	4.9	12
303	Search for flavor-changing neutral currents in top quark decays $t \rightarrow c\gamma$ and $t \rightarrow u\gamma$ in multilepton final states in proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	12
302	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2018 , 98,	2.7	12
301	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at ($\sqrt{s}=8$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	11
300	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
299	Measurement of the charge asymmetry in highly boosted top-quark pair production in $s=8$ TeV pp collision data collected by the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 756, 52-71	4.2	11

298	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
297	Probing the W $t\bar{b}$ 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
296	Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017 , 96,	4.9	11
295	Study of $t\bar{t}$ production in collisions at $\sqrt{s}=13$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , 2017 , 77, 646	4.2	11
294	Measurement of indirect CP-violating asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays at CDF. <i>Physical Review D</i> , 2014 , 90,	4.9	11
293	Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ in top-quark-pair decays using dilepton events and the full CDF Run II data set. <i>Physical Review Letters</i> , 2014 , 112, 221801	7.4	11
292	Search for high-mass resonances decaying into ZZ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	11
291	Measurement of the top-quark pair-production cross section in events with two leptons and bottom-quark jets using the full CDF data set. <i>Physical Review D</i> , 2013 , 88,	4.9	11
290	Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set. <i>Physical Review D</i> , 2013 , 88,	4.9	11
289	Measurement of event shapes in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	11
288	Measurement of the $B(s) \rightarrow 0$ lifetime in fully and partially reconstructed $B(s) \rightarrow 0 \rightarrow \bar{D}(s) \rightarrow (-) \rightarrow (\bar{D}) \rightarrow X$ decays in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 272001	7.4	11
287	Search for a very light CP-odd Higgs boson in top quark decays from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 031801	7.4	11
286	Measurements of the top-quark mass and the $t\bar{t}$ cross section in the hadronic $t\bar{t}$ jets decay channel at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 192001	7.4	11
285	Search for a heavy particle decaying to a top quark and a light quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 211805	7.4	11
284	Search for long-lived neutral particles produced in pp collisions at $\sqrt{s}=13$ TeV decaying into displaced hadronic jets in the ATLAS inner detector and muon spectrometer. <i>Physical Review D</i> , 2020 , 101,	4.9	11
283	Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2020 , 101,	4.9	11
282	Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 520-537	4.2	11
281	Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2018 , 97,	4.9	11

280	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
279	Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017 , 95,	4.9	10
278	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
277	Search for heavy neutral Higgs bosons produced in association with b-quarks and decaying into b-quarks at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2020 , 102,	4.9	10
276	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
275	Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 295-317	4.2	10
274	Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 578-602	4.2	10
273	Measurement of the correlation between the polar angles of leptons from top quark decays in the helicity basis at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	10
272	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
271	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
270	Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 100,	4.9	10
269	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 765	4.2	10
268	Measurement of the single top quark production cross section and $ V_{tb} $ in events with one charged lepton, large missing transverse energy, and jets at CDF. <i>Physical Review Letters</i> , 2014 , 113, 261804	7.4	10
267	Study of top quark production and decays involving a tau lepton at CDF and limits on a charged Higgs boson contribution. <i>Physical Review D</i> , 2014 , 89,	4.9	10
266	Measurement of the top pair production cross section in the lepton+jets channel using a jet flavor discriminant. <i>Physical Review D</i> , 2011 , 84,	4.9	10
265	Measurement of CP-violation asymmetries in $D^0 \rightarrow KS^0 \pi^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	10
264	Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 801, 135114	4.2	10
263	Search for new phenomena in events with an energetic jet and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2021 , 103,	4.9	10

262	Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2018 , 98,	2.7	10
261	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	10
260	Search for R-parity-violating supersymmetric particles in multi-jet final states produced in $p\bar{p}$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 785, 136-158	4.2	10
259	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
258	Search for Higgs boson decays into two new low-mass spin-0 particles in the 4b channel with the ATLAS detector using pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4.9	9
257	Measurement of the $t\bar{t}$ production cross-section and lepton differential distributions in $\mu\mu$ dilepton events from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80,	4.2	9
256	Measurement of $\sin^2 2\theta_{\text{eff}}$ using $e+e$ pairs from γ/Z bosons produced in pp collisions at a center-of-momentum energy of 1.96 TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	9
255	Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton-proton collisions at $\sqrt{s}=2.76$ TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 756, 10-28	4.2	9
254	Measurement of the ZZ production cross section in proton-proton collisions at ($\sqrt{s}=8$) TeV using the ZZ $\rightarrow \mu\mu$ and (ZZ to $\{e\ell\}^+\{e\ell\}^+\nu$) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
253	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
252	Measurement of the branching ratio $(\text{B}0 \rightarrow \text{P}S0)/(\text{B}0 \rightarrow \text{J}/\text{D})$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 63-80	4.2	9
251	First search for exotic Z Boson decays into photons and neutral pions in hadron collisions. <i>Physical Review Letters</i> , 2014 , 112, 111803	7.4	9
250	Search for s-channel single-top-quark production in events with missing energy plus jets in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 231805	7.4	9
249	Measurement of the mass difference between top and antitop quarks. <i>Physical Review D</i> , 2013 , 87,	4.9	9
248	Improved search for a Higgs boson produced in association with $Z \rightarrow l^+ l^-$ in pp collisions $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 251802	7.4	9
247	Search for the Higgs boson decays $H \rightarrow e\bar{e}$ and $H \rightarrow \mu\bar{\mu}$ in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 801, 135148	4.2	9
246	A search for the $Z\gamma$ decay mode of the Higgs boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 809, 135734	4.2	9
245	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

244	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
243	Search for squarks and gluinos in final states with hadronically decaying $\bar{\ell}\ell$ leptons, jets, and missing transverse momentum using pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	9
242	Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark Production in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018 , 121, 152002	7.4	9
241	Measurement of W boson angular distributions in events with high transverse momentum jets at $s=8$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 132-153	4.2	8
240	Measurement of VH, ($\text{H} \rightarrow \bar{\text{b}}\text{b}$) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
239	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
238	Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2020 , 124, 082301	7.4	8
237	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
236	Combined Forward-Backward Asymmetry Measurements in Top-Antitop Quark Production at the Tevatron. <i>Physical Review Letters</i> , 2018 , 120, 042001	7.4	8
235	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
234	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
233	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
232	Study of the energy dependence of the underlying event in proton-antiproton collisions. <i>Physical Review D</i> , 2015 , 92,	4.9	8
231	Measurement of the WW+WZ production cross section using a matrix element technique in lepton+jets events. <i>Physical Review D</i> , 2010 , 82,	4.9	8
230	Measurement of the top quark mass in the lepton+jets channel using the lepton transverse momentum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 371-379	4.2	8
229	Search for standard model Higgs boson production in association with a W boson using a matrix element technique at CDF in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	8
228	Search for the standard model Higgs boson produced in association with a W $^{\pm}$ boson with 7.5 fb $^{-1}$ integrated luminosity at CDF. <i>Physical Review D</i> , 2012 , 86,	4.9	8
227	Evidence for $(\bar{t}t)$ 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

226	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
225	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> , 2020 , 80, 1	4.2	8
224	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
223	Search for heavy resonances decaying into a pair of Z bosons in the ($e^+e^-e^+e^-$) and ($e^+e^-e^-\nu_{\bar{\nu}}$) final states using 139 (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
222	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
221	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
220	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
219	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
218	Search for heavy resonances decaying to a photon and a hadronically decaying Z/W/H boson in pp collisions at $s = 13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	8
217	Search for B R-parity-violating top squarks in $s = 13$ TeV pp collisions with the ATLAS experiment. <i>Physical Review D</i> , 2018 , 97,	4.9	8
216	Measurement of the $W+W$ production cross section in pp collisions at a centre-of-mass energy of $s = 13$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 773, 354-374	4.2	7
215	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $s = 13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 347-370	4.2	7
214	Search for heavy long-lived multicharged particles in proton-proton collisions at $s = 13$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	7
213	Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $s = 8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 595-614	4.2	7
212	Measurement of differential production cross sections for Z bosons in association with jets in pp collisions at $s = 1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	7
211	A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeV pp collisions. <i>Journal of Instrumentation</i> , 2016 , 11, P11020-P11020	1	7
210	Search for new phenomena in high-mass final states with a photon and a jet from collisions at $s = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 102	4.2	7
209	Measurement of the production cross section of three isolated photons in pp collisions at $s = 8$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 55-76	4.2	7

208	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
207	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
206	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H \rightarrow WW^* \rightarrow \mu\mu$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134949	4.2	7
205	Measurement of the ($\overline{t}t\gamma$) production cross section in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
204	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
203	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
202	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
201	Studies of $Z\gamma$ 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
200	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
199	Measurement of the top-quark mass in the all-hadronic channel using the full CDF data set. <i>Physical Review D</i> , 2014 , 90,	4.9	7
198	Measurement of the ZZ production cross section using the full CDF II data set. <i>Physical Review D</i> , 2014 , 89,	4.9	7
197	Updated search for the flavor-changing neutral-current decay $D^0 \rightarrow \mu\mu$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	7
196	Measurement of the top-quark mass in the lepton+jets channel using a matrix element technique with the CDF II detector. <i>Physical Review D</i> , 2011 , 84,	4.9	7
195	Search for new heavy particles decaying to $ZZ \rightarrow \mu\mu, lljj$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	7
194	Measurement of the cross section for prompt isolated diphoton production in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2011 , 107, 102003	7.4	7
193	Top-quark mass measurement using events with missing transverse energy and jets at CDF. <i>Physical Review Letters</i> , 2011 , 107, 232002	7.4	7
192	Novel inclusive search for the Higgs boson in the four-lepton final state at CDF. <i>Physical Review D</i> , 2012 , 86,	4.9	7
191	Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties. <i>Journal of Instrumentation</i> , 2017 , 12, P05002-P05002	1	7

190	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
189	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
188	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
187	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
186	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
185	Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 100,	4.9	7
184	Measurements of WH and ZH production in the ($H \rightarrow \bar{b}b$) decay channel in pp collisions at (13 ,text {Te})text {V}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
183	Search for lepton-flavor violation in different-flavor, high-mass final states in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	7
182	Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector. <i>Physical Review Letters</i> , 2020 , 125, 221802	7.4	6
181	A search for resonances decaying into a Higgs boson and a new particle X in the $XH \rightarrow \bar{b}b$ final state with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 24-45	4.2	6
180	Measurement of the $B_c \bar{B}$ production cross section in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	6
179	Measurement of the forwardBackward asymmetry of top-quark and antiquark pairs using the full CDF Run II data set. <i>Physical Review D</i> , 2016 , 93,	4.9	6
178	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
177	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
176	Top-quark mass measurement in the all-hadronic (\overline{t}) decay channel at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
175	Searches for the Higgs boson decaying to $W+W \rightarrow \gamma\gamma$ with the CDF II detector. <i>Physical Review D</i> , 2013 , 88,	4.9	6
174	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV using events with large missing transverse energy and jets. <i>Physical Review D</i> , 2011 , 84,	4.9	6
173	Search for resonances decaying into a weak vector boson and a Higgs boson in the fully hadronic final state produced in proton-proton collisions at $s=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2020 , 102,	4.9	6

172	Search for (\overline{t}) resonances in fully hadronic final states in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
171	Study of muon pair production from positron annihilation at threshold energy. <i>Journal of Instrumentation</i> , 2020 , 15, P01036-P01036	1	6
170	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb ⁻¹ of pp collisions at s=13TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135082	4.2	6
169	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
168	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> , 2021 , 2021, 1	5.4	6
167	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> , 2021 , 2021, 1	5.4	6
166	Search for top squarks decaying to tau sleptons in pp collisions at s=13 TeV with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	6
165	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> , 2017 , 77, 220	4.2	5
164	Evidence for the production of three massive vector bosons with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134913	4.2	5
163	Combinations of single-top-quark production cross-section measurements and $ f_{LVVtb} $ determinations at (\sqrt{s}) = 7 and 8 TeV with the ATLAS and CMS experiments. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
162	Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 151801	7.4	5
161	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
160	Search for production of an $\Upsilon(1S)$ meson in association with a W or Z boson using the full 1.96 TeV pp collision data set at CDF. <i>Physical Review D</i> , 2015 , 91,	4.9	5
159	Test of CP invariance in vector-boson fusion production of the Higgs boson in the H \rightarrow $\gamma\gamma$ channel in proton-proton collisions at s=13TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135426	4.2	5
158	Z boson production in Pb+Pb collisions at s _{NN} =5.02 TeV measured by the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 802, 135262	4.2	5
157	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
156	Search for Higgs and Z Boson Decays to $\tau\tau$ with the ATLAS Detector. <i>Physical Review Letters</i> , 2016 , 117, 111802	7.4	5
155	Measurement of prompt photon production in s _{NN} =8.16 TeV p + Pb collisions with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 230-252	4.2	5

154	Search for the Higgs boson in the all-hadronic final state using the full CDF data set. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	5
153	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
152	Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. <i>Physical Review D</i> , 2015 , 92,	4-9	5
151	Search for Resonances Decaying to Top and Bottom Quarks with the CDF Experiment. <i>Physical Review Letters</i> , 2015 , 115, 061801	7-4	5
150	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
149	Invariant-mass distribution of jet pairs produced in association with a W boson in pp collisions at $s=1.96$ TeV using the full CDF Run II data set. <i>Physical Review D</i> , 2014 , 89,	4-9	5
148	Production of K_S^0 , $K^{*0}(892)$ and $\phi(1020)$ in minimum bias events and K_S^0 and ϕ in jets in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4-9	5
147	Measurement of the $t\bar{t}$ production cross section with an in situ calibration of b-jet identification efficiency. <i>Physical Review D</i> , 2011 , 83,	4-9	5
146	Search for a Higgs boson in the diphoton final state in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 011801	7-4	5
145	Search for the rare radiative decay $W \rightarrow \gamma \nu$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4-9	5
144	Search for anomalous production of multiple leptons in association with W and Z bosons at CDF. <i>Physical Review D</i> , 2012 , 85,	4-9	5
143	Observation and Measurement of Forward Proton Scattering in Association with Lepton Pairs Produced via the Photon Fusion Mechanism at ATLAS. <i>Physical Review Letters</i> , 2020 , 125, 261801	7-4	5
142	Evidence for electroweak production of two jets in association with a Z pair in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135341	4-2	5
141	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
140	Search for the $HH \rightarrow b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
139	Observation of the associated production of a top quark and a Z boson in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
138	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	5
137	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4-2	5

136	Measurement of the associated production of a Higgs boson decaying into b-quarks with a vector boson at high transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 816, 136204	4.2	5
135	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 375	4.2	5
134	Measurement of the relative width difference of the $(\{B\}^0\text{hbox{-}}\{\overline{B}\}^0)$ system with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
133	Search for pairs of highly collimated photon-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	5
132	Measurement of angular and momentum distributions of charged particles within and around jets in Pb+Pb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2019 , 100,	2.7	5
131	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> , 2021 , 81, 1	4.2	5
130	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> , 2021 , 2021, 1	5.4	5
129	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , 2018 , 78, 847	4.2	5
128	Search for lepton-flavor-violating decays of the Z boson into a ℓ lepton and a light lepton with the ATLAS detector. <i>Physical Review D</i> , 2018 , 98,	4.9	5
127	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 487	4.2	5
126	Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019 , 99,	4.9	4
125	Measurement of the Lund Jet Plane Using Charged Particles in $\sqrt{s}=13$ TeV Proton-Proton Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2020 , 124, 222002	7.4	4
124	Measurement of jet activity in top quark events using the ℓ final state with two b-tagged jets in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	4
123	Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4.9	4
122	Combination of inclusive and differential (t) charge asymmetry measurements using ATLAS and CMS data at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
121	Measurement of the top-quark mass in the $t\bar{t}$ dilepton channel using the full CDF Run II data set. <i>Physical Review D</i> , 2015 , 92,	4.9	4
120	First measurement of the forward-backward asymmetry in bottom-quark pair production at high mass. <i>Physical Review D</i> , 2015 , 92,	4.9	4
119	Measurement of the branching fraction $B(B \rightarrow B^* \mu^+ \mu^-)$ at CDF. <i>Physical Review D</i> , 2012 , 85,	4.9	4

118	Search for WZ+ZZ production with missing transverse energy+jets with b enhancement at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	4
117	Search for supersymmetry with like-sign lepton-tau events at CDF. <i>Physical Review Letters</i> , 2013 , 110, 201802	7.4	4
116	Signature-based search for delayed photons in exclusive photon plus missing transverse energy events from pp collisions with $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	4
115	Search for the production of ZW and ZZ boson pairs decaying into charged leptons and jets in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	4
114	Search for a two-Higgs-boson doublet using a simplified model in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 110, 121801	7.4	4
113	Search for heavy diboson resonances in semileptonic final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
112	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
111	Search for non-resonant Higgs boson pair production in the $b\bar{b}$ final state with the ATLAS detector in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 801, 135145	4.2	4
110	Measurement of the $t\bar{t}$ production cross-section in the lepton+jets channel at $s=13$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 810, 135797	4.2	4
109	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. <i>Nature Physics</i> , 2021 , 17, 819-825	16.2	4
108	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	4
107	Measurement of dijet azimuthal decorrelations in pp collisions at $s=8$ TeV with the ATLAS detector and determination of the strong coupling. <i>Physical Review D</i> , 2018 , 98,	4.9	4
106	Search for dark matter produced in association with a single top quark in ($\sqrt{s}=13$) TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	4
105	Tevatron constraints on models of the Higgs boson with exotic spin and parity using decays to bottom-antibottom quark pairs. <i>Physical Review Letters</i> , 2015 , 114, 151802	7.4	3
104	Measurement of the single top quark production cross section and $ V_{tb} $ in 1.96 TeV pp collisions with missing transverse energy and jets and final CDF combination. <i>Physical Review D</i> , 2016 , 93,	4.9	3
103	Measurement of vector boson plus $D^*(2010)^+$ meson production in p-p collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	3
102	Search for the standard model Higgs boson produced in association with a vector boson and decaying into a tau pair in pp collisions at $s=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016 , 93,	4.9	3
101	Measurement of the WW and WZ production cross section using final states with a charged lepton and heavy-flavor jets in the full CDF Run II data set. <i>Physical Review D</i> , 2016 , 94,	4.9	3

100	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 163	4.2	3
99	W-boson polarization measurement in the $t\bar{t}$ dilepton channel using the CDF II detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 48-54	4.2	3
98	Measurement of the k_t splitting scales in $Z \rightarrow e^+e^-$ events in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
97	Measurement of the production and differential cross sections of $W+W$ bosons in association with jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	3
96	Search for standard model Higgs boson production in association with a W boson at CDF. <i>Physical Review D</i> , 2012 , 85,	4.9	3
95	Search for new phenomena in events with two Z bosons and missing transverse momentum in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	3
94	Search for the Higgs boson in the all-hadronic final state using the CDF II detector. <i>Physical Review D</i> , 2011 , 84,	4.9	3
93	Search for Heavy Resonances Decaying into a Photon and a Hadronically Decaying Higgs Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2020 , 125, 251802	7.4	3
92	Determination of jet calibration and energy resolution in proton-proton collisions at ($\sqrt{s} = 8$ -TeV) using the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
91	Reconstruction and identification of boosted di-jet systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
90	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> , 2021 , 2021, 1	5.4	3
89	Measurement of $W+W$ production in association with one jet in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 114-133	4.2	3
88	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> , 2021 , 2021, 1	5.4	3
87	Medium-Induced Modification of Z-Tagged Charged Particle Yields in Pb+Pb Collisions at 5.02 TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 126, 072301	7.4	3
86	Theoretical Modeling for the Thermal Stability of Solid Targets in a Positron-Driven Muon Collider. <i>International Journal of Thermophysics</i> , 2021 , 42, 163	2.1	3
85	Search for resonances decaying into photon pairs in 139 fb $^{-1}$ of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 822, 136651	4.2	3
84	Properties of jet fragmentation using charged particles measured with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	2
83	Properties of $g \rightarrow b\bar{b}$ at small opening angles in pp collisions with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	2

82	Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. <i>Journal of Instrumentation</i> , 2020 , 15, P11016-P11016	1	2
81	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> , 2015 , 2015, 1	5.4	2
80	Search for new physics in trilepton events and limits on the associated chargino-neutralino production at CDF. <i>Physical Review D</i> , 2014 , 90,	4.9	2
79	Search for the standard model Higgs boson produced in association with a Z boson in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 715, 98-104	4.2	2
78	Search for a dijet resonance in events with jets and missing transverse energy in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	2
77	Search for a heavy vector boson decaying to two gluons in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	2
76	Production of Λ , Λ^0 , Ξ , and Ξ^0 hyperons in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	2
75	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> , 2021 , 81, 1	4.2	2
74	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> , 2021 , 2021, 1	5.4	2
73	Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $s_{NN}=5.02$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 807, 135595	4.2	2
72	Search for Dark Matter Produced in Association with a Dark Higgs Boson Decaying into $W^{\pm}W^{\pm}$ or ZZ in Fully Hadronic Final States from $\sqrt{s}=13$ TeV pp Collisions Recorded with the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 126, 121802	7.4	2
71	Longitudinal Flow Decorrelations in Xe+Xe Collisions at $\sqrt{s_{NN}}=5.44$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 126, 122301	7.4	2
70	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
69	Search for Displaced Leptons in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 127, 051802	7.4	2
68	Two-particle azimuthal correlations in photonuclear ultraperipheral Pb+Pb collisions at 5.02 TeV with ATLAS. <i>Physical Review C</i> , 2021 , 104,	2.7	2
67	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> , 2021 , 2021, 1	5.4	2
66	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> , 2019 , 79, 1	4.2	2
65	Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $E_{beam}=4$ TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P12006-P12006	1	2

64	Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 819, 136412	4.2	2
63	Exclusive dimuon production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with ATLAS. <i>Physical Review C</i> , 2021 , 104,	2.7	2
62	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> , 2021 , 2021, 1	5.4	2
61	Constraints on models of the Higgs boson with exotic spin and parity using decays to bottom-antibottom quarks in the full CDF data set. <i>Physical Review Letters</i> , 2015 , 114, 141802	7.4	1
60	Studies of high-transverse momentum jet substructure and top quarks produced in 1.96 TeV proton-antiproton collisions. <i>Physical Review D</i> , 2015 , 91,	4.9	1
59	Measurement of the forward-backward asymmetry in low-mass bottom-quark pairs produced in proton-antiproton collisions. <i>Physical Review D</i> , 2016 , 93,	4.9	1
58	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> , 2016 , 18, 073021	2.9	1
57	Measurement of the $t\bar{t}$ production cross section in the $b\bar{b}$ jets final state in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2017 , 95,	4.9	1
56	Femtoscscopy with identified charged pions in proton-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV with ATLAS. <i>Physical Review C</i> , 2017 , 96,	2.7	1
55	Measurement of the D^+ -meson production cross section at low transverse momentum in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	1
54	An evaluation of GPUs for use in an upgraded ATLAS High Level Trigger 2015 ,		1
53	GPUs for real-time processing in HEP trigger systems. <i>Journal of Physics: Conference Series</i> , 2014 , 513, 012017	0.3	1
52	Performance Study of GPUs in Real-Time Trigger Applications for HEP Experiments. <i>Physics Procedia</i> , 2012 , 37, 1965-1972		1
51	Improved determination of the sample composition of dimuon events produced in $(p\bar{p})$ collisions at $(\sqrt{s}=1.96)$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	1
50	Search for heavy particles in the b-tagged dijet mass distribution with additional b-tagged jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>Physical Review D</i> , 2022 , 105,	4.9	1
49	Operation and performance of the ATLAS semiconductor tracker in LHC Run 2. <i>Journal of Instrumentation</i> , 2022 , 17, P01013	1	1
48	Search for Higgs boson decays into a pair of pseudoscalar particles in the $b\bar{b}$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2022 , 105,	4.9	1
47	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

46	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> , 2021 , 2021, 1	5.4	1
45	Measurement of the CP-violating phase ϕ_s in $B_s^0 \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. <i>European Physical Journal C</i> , 2021 , 81,	4.2	1
44	Test of the universality of κ and λ lepton couplings in W-boson decays with the ATLAS detector. <i>Nature Physics</i> , 2021 , 17, 813-818	16.2	1
43	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
42	A search for the decays of stopped long-lived particles at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
41	Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $(\sqrt{s})=13$ TeV. <i>Journal of Instrumentation</i> , 2021 , 16, P07029	1	1
40	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $(\sqrt{s} = 8, \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
39	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. <i>Journal of Instrumentation</i> , 2021 , 16, P08025	1	1
38	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> , 2021 , 81, 1	4.2	1
37	Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at $\sqrt{s}=13$ TeV Using the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 127, 141801	7.4	1
36	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> , 2021 , 81, 1	4.2	1
35	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> , 2021 , 81, 1	4.2	1
34	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
33	Search for new phenomena in pp collisions in final states with tau leptons, b-jets, and missing transverse momentum with the ATLAS detector. <i>Physical Review D</i> , 2021 , 104,	4.9	1
32	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> , 2022 , 82, 1	4.2	1
31	Emulating the impact of additional proton-proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	0
30	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
29	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> , 2022 , 2022, 1	5.4	0

28	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> , 2022 , 82, 1	4.2	○
27	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> , 2021 , 2021, 1	5.4	○
26	Search for new phenomena in three- or four-lepton events in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 824, 136832	4.2	○
25	Observation of photon-induced $W+W$ production in pp collisions at $s=13$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 816, 136190	4.2	○
24	Measurements of $W+W$ jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
23	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $(\sqrt{s}=13, \text{TeV})$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	○
22	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> , 2021 , 2021, 1	5.4	○
21	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> , 2021 , 81, 1	4.2	○
20	The ATLAS Fast Tracker system. <i>Journal of Instrumentation</i> , 2021 , 16, P07006	1	○
19	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> , 2022 , 2022, 1	5.4	○
18	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	○
17	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 Run2 data. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	○
16	Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 137066	4.2	○
15	Measurement of the nuclear modification factor for muons from charm and bottom hadrons in Pb+Pb collisions at 5.02 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 137077	4.2	○
14	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
13	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
12	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
11	Search for Lepton-Flavor Violation in Z-Boson Decays with Leptons with the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 127, 271801	7.4	○

- 10 Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi K$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1 5.4 0
- 9 Graphics Processing Units for HEP trigger systems. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2016**, 824, 307-310^{1,2}
- 8 An additional study of multi-muon events produced in . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 710, 278-283 4.2
- 7 Triggering events with GPUs at ATLAS. *Journal of Physics: Conference Series*, **2015**, 664, 092014 0.3
- 6 LcgCAF: CDF access method to LCG resources. *Journal of Physics: Conference Series*, **2011**, 331, 072009 0.3
- 5 Design and Evaluation in a Real Use-case of Closed-loop Scheduling Algorithms for the gLite Workload Management System. *Journal of Physics: Conference Series*, **2011**, 331, 062029 0.3
- 4 Muon detection in electron-positron annihilation for muon collider studies. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2022**, 1024, 166129 1.2
- 3 Measurement of the jet mass in high transverse momentum $Z(\rightarrow b\bar{b})\gamma$ production at $\sqrt{s}=13$ TeV using the ATLAS detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2021**, 812, 135991 4.2
- 2 The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. *European Physical Journal C*, **2022**, 82, 1 4.2
- 1 A search for an unexpected asymmetry in the production of e^+e^- and e^+e^- pairs in proton-proton collisions recorded by the ATLAS detector at $\sqrt{s}=13$ TeV. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2022**, 137106 4.2