

# Maurice Garcia-Sciveres

## List of Publications by Citations

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860  
papers

32,467  
citations

78  
h-index

136  
g-index

894  
ext. papers

36,123  
ext. citations

4.9  
avg, IF

3.72  
L-index

#	Paper	IF	Citations
860	Observation of Top Quark Production in p-barp Collisions with the Collider Detector at Fermilab. <i>Physical Review Letters</i> , <b>1995</b> , 74, 2626-2631	7.4	1067
859	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , <b>2010</b> , 70, 823-874	4.2	817
858	Measurement of the $J/\psi$ meson and b-hadron production cross sections in pp collisions at $\sqrt{s}=1960$ GeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	596
857	The CLEO II detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1992</b> , 320, 66-113	1.2	574
856	First measurement of the rate for the inclusive radiative penguin decay $b \rightarrow s \gamma$ . <i>Physical Review Letters</i> , <b>1995</b> , 74, 2885-2889	7.4	536
855	Observation of the narrow state $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in pp collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 072001	7.4	469
854	ATLAS pixel detector electronics and sensors. <i>Journal of Instrumentation</i> , <b>2008</b> , 3, P07007-P07007	1	389
853	Evidence for penguin-diagram decays: First observation of $B \rightarrow K^*(892) \gamma$ . <i>Physical Review Letters</i> , <b>1993</b> , 71, 674-678	7.4	358
852	$J/\psi$ and $\psi(2S)$ Production in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1997</b> , 79, 572-577	7.4	278
851	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4.2	276
850	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
849	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 292	4.2	263
848	Observation of the $B_c$ Meson in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 81, 2432-2437	7.4	242
847	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
846	Performance of missing transverse momentum reconstruction in proton-proton collisions at ( $\sqrt{s} = 7 \sim 13$ TeV) with ATLAS. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	217
845	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using lepton + jets events with secondary vertex b-tagging. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	217
844	Jet energy measurement with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	209

843	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text]TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 299	4.2	202
842	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	199
841	Double parton scattering in p <p> collisions at s=1.8TeV. <i>Physical Review D</i>, <b>1997</b>, 56, 3811-3832</p>	4.9	199
840	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text]TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4.2	194
839	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188
838	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8TeV in the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 6	4.2	185
837	Inclusive Jet Cross Section in p-barp Collisions at sqrt s=1.8 TeV. <i>Physical Review Letters</i> , <b>1996</b> , 77, 438-443	4.4	185
836	The FE-I4 pixel readout integrated circuit. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 636, S155-S159	1.2	181
835	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , <b>2017</b> , 77, 490	4.2	177
834	Observation of Bc mesons in pp collisions at s=1.8TeV. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	173
833	Measurement of J/psi and psi(2S) polarization in pp collisions at sqrt[s] = 1.8 TeV. <i>Physical Review Letters</i> , <b>2000</b> , 85, 2886-91	7.4	171
832	Luminosity determination in pp collisions at (sqrt{s} = 7) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	167
831	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3130	4.2	166
830	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2941	4.2	160
829	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	160
828	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
827	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 45	4.2	152
826	Production and integration of the ATLAS Insertable B-Layer. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, T05008-T05008	1.3	150

825	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 581	4.2	148
824	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ( $\sqrt{s_{NN}}$ ) = 2.76 TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	143
823	Search for New Gauge Bosons Decaying into Dileptons in p <p <math="" at="" collisions="">\sqrt{s}=1.8TeV. <i>Physical Review Letters</i>, <b>1997</b>, 79, 2192-2197</p>	7.4	140
822	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ( $\sqrt{s}$ =7) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	138
821	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at ( $\sqrt{s}$ =13) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	126
820	Measurement of prompt charm meson production cross sections in pp collisions at square root $s$ = 1.96 TeV. <i>Physical Review Letters</i> , <b>2003</b> , 91, 241804	7.4	125
819	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	125
818	Upsilon production and polarization in p p macro collisions at square root of $s$ = 1.8 TeV. <i>Physical Review Letters</i> , <b>2002</b> , 88, 161802	7.4	125
817	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	124
816	Search for Flavor-Changing Neutral Current Decays of the Top Quark in pp Collisions at $\sqrt{s}$ =1.8TeV. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2525-2530	7.4	124
815	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 8TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	120
814	Intermediate silicon layers detector for the CDF experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 453, 84-88	1.2	114
813	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \bar{t} t$ events using pp collision data at ( $\sqrt{s}$ = 7;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	112
812	Exclusive hadronic B decays to charm and charmonium final states. <i>Physical Review D</i> , <b>1994</b> , 50, 43-68	4.9	110
811	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , <b>2015</b> , 75, 510	4.2	109
810	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using ( $\sqrt{s}$ =8) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	108
809	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3109	4.2	107
808	Diffractive dijets with a leading antiproton in $\bar{p}p$ collisions at $\sqrt{s}$ . <i>Physical Review Letters</i> , <b>2000</b> , 84, 5043-8	7.4	105

807	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 476	4.2	104
806	Search for doubly charged Higgs bosons in like-sign dilepton final states at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	104
805	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	103
804	Transverse momentum and total cross section of $e^{+}e^{-}$ pairs in the Z-boson region from $p\bar{p}$ collisions at $\sqrt{s}$ . <i>Physical Review Letters</i> , <b>2000</b> , 84, 845-50	7.4	101
803	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	101
802	Measurement of $\sin^2 2\beta$ from $B \rightarrow J/\psi K_S^0$ with the CDF detector. <i>Physical Review D</i> , <b>2000</b> , 61,	4.9	100
801	Search for new particles decaying to dijets at CDF. <i>Physical Review D</i> , <b>1997</b> , 55, R5263-R5268	4.9	98
800	First measurements of inclusive W and Z cross sections from run II of the Fermilab Tevatron collider. <i>Physical Review Letters</i> , <b>2005</b> , 94, 091803	7.4	97
799	Production of Upsilon(1S) mesons from $\chi(b)$ decays in $p\bar{p}$ collisions at $\sqrt{s}$ . <i>Physical Review Letters</i> , <b>2000</b> , 84, 2094-9	7.4	97
798	Measurement of Double Parton Scattering in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1997</b> , 79, 584-589	7.4	95
797	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $[Formula: see text]$ in $[Formula: see text]$ collisions at $[Formula: see text]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 349	4.2	94
796	Measurement of the $B\text{-bar} \rightarrow D^* l \nu\text{-bar}$ branching fractions and $ V_{cb} $ . <i>Physical Review D</i> , <b>1995</b> , 51, 1014-1033	4.9	93
795	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $(\sqrt{s} = 8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	92
794	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	91
793	Measurement of charmless semileptonic decays of B mesons. <i>Physical Review Letters</i> , <b>1993</b> , 71, 4111-4115	4.9	90
792	Search for exclusive charmless hadronic B decays. <i>Physical Review D</i> , <b>1996</b> , 53, 1039-1050	4.9	88
791	Measurement of the $D^*(2010)$ branching fractions. <i>Physical Review Letters</i> , <b>1992</b> , 69, 2041-2045	7.4	88
790	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. <i>Physical Review Letters</i> , <b>1997</b> , 79, 357-362	7.4	87

789	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4.2	82
788	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , <b>2010</b> , 70, 1193-1236	4.2	82
787	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb <sup>-1</sup> of pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	81
786	Measurement of the Z/ $\gamma$ boson transverse momentum distribution in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	79
785	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2039	4.2	78
784	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2056	4.2	78
783	Observation of Diffractive W-Boson Production at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2698-2703	7.4	78
782	Measurement of bottom-quark hadron masses in exclusive J/psi decays with the CDF detector. <i>Physical Review Letters</i> , <b>2006</b> , 96, 202001	7.4	78
781	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	76
780	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2465	4.2	76
779	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	74
778	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 209	4.2	73
777	Measurement of the inclusive jet cross section in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	73
776	Search for gluinos and scalar quarks in pp collisions at square root[s] = 1.8 TeV using the missing energy plus multijets signature. <i>Physical Review Letters</i> , <b>2002</b> , 88, 041801	7.4	73
775	Measurement of the Top Quark Mass. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2767-2772	7.4	73
774	Measurement of the Top Quark Mass and tt Production Cross Section from Dilepton Events at the Collider Detector at Fermilab. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2779-2784	7.4	73
773	Two measurements of B0B-bar0 mixing. <i>Physical Review Letters</i> , <b>1993</b> , 71, 1680-1684	7.4	73
772	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	72

771	Measurement of the B+ total cross section and B+ differential cross section $d\sigma/dp_T$ in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	72
770	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2509	4.2	71
769	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ( $\sqrt{s} = 7$ mbox{~TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	70
768	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , <b>2010</b> , 70, 787-821	4.2	70
767	Observation of Excited Charmed Baryon States Decaying to $\Lambda + c + \pi + \pi^-$ . <i>Physical Review Letters</i> , <b>1995</b> , 74, 3331-3335	7.4	70
766	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab. <i>Physical Review Letters</i> , <b>1996</b> , 77, 5336-5341	7.4	70
765	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>1997</b> , 79, 2636-2641	7.4	69
764	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 5	4.2	68
763	Limits on Quark-Lepton Compositeness Scales from Dileptons Produced in 1.8 TeV pp Collisions. <i>Physical Review Letters</i> , <b>1997</b> , 79, 2198-2203	7.4	68
762	Measurement of the Top Quark Mass with the Collider Detector at Fermilab. <i>Physical Review Letters</i> , <b>1999</b> , 82, 271-276	7.4	68
761	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	67
760	Jet mass and substructure of inclusive jets in ( $\sqrt{s} = 7$ ;{text{TeV}}) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	67
759	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 412	4.2	66
758	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-39	5.4	66
757	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 903	4.2	66
756	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	65
755	Measurement of the Lepton Charge Asymmetry in W-Boson Decays Produced in pp Collisions. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5754-5759	7.4	65
754	Search for the ( $\overline{b}$ ) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	64

753	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	64
752	Measurement of $bb$ production correlations, $B^0B^0$ mixing, and a limit on $\beta$ in $pp$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>1997</b> , 55, 2546-2558	4.9	64
751	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 291	4.2	63
750	Inclusive decays of B mesons to charmonium. <i>Physical Review D</i> , <b>1995</b> , 52, 2661-2672	4.9	63
749	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 69	4.2	62
748	Underlying event in hard interactions at the Fermilab Tevatron $p\bar{p}$ collider. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	62
747	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2017</b> , 77, 195	4.2	61
746	First Observation of the All-Hadronic Decay of $t\bar{t}$ Pairs. <i>Physical Review Letters</i> , <b>1997</b> , 79, 1992-1997	7.4	61
745	Measurement of the forward-backward charge asymmetry from $W \rightarrow e\bar{\nu}$ production in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	61
744	Exclusive and inclusive semileptonic decays of B mesons to D mesons. <i>Physical Review D</i> , <b>1991</b> , 43, 651-663	4.9	61
743	Measurements of semileptonic branching fractions of B mesons at the Upsilon ( $4S$ ) resonance. <i>Physical Review D</i> , <b>1992</b> , 45, 2212-2231	4.9	61
742	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 92	4.2	60
741	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ( $\sqrt{s}$ ) = 7 TeV $pp$ collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	60
740	Measurement of $\beta_S$ from $\bar{B}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 356, 580-588	4.2	60
739	Measurement of the $W$ -boson mass in $pp$ collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 110	4.2	59
738	Dijet Production by Color-Singlet Exchange at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1156-1161	7.4	59
737	Search for a high-mass Higgs boson decaying to a $W$ boson pair in $pp$ collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	59
736	Measurement of the $W \rightarrow \ell\bar{\nu}$ and $Z/\bar{Z} \rightarrow \ell\bar{\nu}$ production cross sections in proton-proton collisions at ( $\sqrt{s} = 7$ ; {text{TeV}}) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	58



735	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	58
734	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	58
733	A search for ( $\overline{t}$ ) resonances using lepton-plus-jets events in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	57
732	Search for $B_0 \rightarrow \mu^+ \mu^-$ and $B_0^d \rightarrow \mu^+ \mu^-$ decays in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 032001	7.4	57
731	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in fully hadronic final states using pp collision data at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	56
730	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 335	4.2	56
729	Precision measurement and interpretation of inclusive $t\bar{t}$ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4.2	56
728	Inclusive and exclusive decays of B mesons to final states including charm and charmonium mesons. <i>Physical Review D</i> , <b>1992</b> , 45, 21-35	4.9	56
727	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 199	4.2	55
726	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	55
725	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	55
724	Summary of the searches for squarks and gluinos using ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	55
723	Measurements of the $t\bar{t}$ production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 82	4.2	54
722	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	54
721	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	54
720	Measurement of $W^\pm Z$ production in proton-proton collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	54
719	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4.2	53
718	Search for new phenomena in events with at least three photons collected in collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 210	4.2	53

7 <sup>17</sup>	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	53
7 <sup>16</sup>	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	53
7 <sup>15</sup>	Production and decay of D1 (2420) <sup>0</sup> and D2* (2460) <sup>0</sup> . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 331, 236-244	4-2	53
7 <sup>14</sup>	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , <b>2016</b> , 76, 666	4-2	53
7 <sup>13</sup>	Search for direct top-squark pair production in final states with two leptons in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	52
7 <sup>12</sup>	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 70	4-2	52
7 <sup>11</sup>	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 393	4-2	52
7 <sup>10</sup>	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3157	4-2	52
7 <sup>09</sup>	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	52
7 <sup>08</sup>	Measurement of the W boson mass with the Collider Detector at Fermilab. <i>Physical Review D</i> , <b>2001</b> , 64,	4-9	52
7 <sup>07</sup>	Measurements of exclusive semileptonic decays of D mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 317, 647-654	4-2	52
7 <sup>06</sup>	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 120	4-2	51
7 <sup>05</sup>	Readout technologies for directional WIMP Dark Matter detection. <i>Physics Reports</i> , <b>2016</b> , 662, 1-46	27-7	51
7 <sup>04</sup>	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	51
7 <sup>03</sup>	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	50
7 <sup>02</sup>	Evidence for the ( $H \rightarrow \overline{b}b$ ) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	50
7 <sup>01</sup>	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 208	4-2	50
7 <sup>00</sup>	Measurement of the lifetime difference between Bs mass eigenstates. <i>Physical Review Letters</i> , <b>2005</b> , 94, 101803	7-4	50

699	Search for neutral supersymmetric Higgs bosons in pp collisions at $\sqrt{s} = 1.8\text{TeV}$ . <i>Physical Review Letters</i> , <b>2001</b> , 86, 4472-8	7.4	50
698	Measurement of the top quark mass with the collider detector at Fermilab. <i>Physical Review D</i> , <b>2001</b> , 63,	4.9	50
697	Observation of a narrow state decaying into $\Xi + c \pi^-$ . <i>Physical Review Letters</i> , <b>1995</b> , 75, 4364-4368	7.4	50
696	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in ( $\sqrt{s}=13$ ) (text {TeV}) pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	50
695	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 303	4.2	49
694	Measurement of charged-particle spectra in Pb+Pb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	49
693	Search for high-mass resonances decaying to dilepton final states in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	49
692	Search for Third Generation Leptoquarks in $p\bar{p}$ Collisions at $s=1.8\text{TeV}$ . <i>Physical Review Letters</i> , <b>1997</b> , 78, 2906-2911	7.4	49
691	Dijet production by double pomeron exchange at the fermilab tevatron. <i>Physical Review Letters</i> , <b>2000</b> , 85, 4215-20	7.4	49
690	Search for resonances in diphoton events at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	49
689	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 995	4.2	49
688	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4.2	48
687	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 259	4.2	48
686	Measurement of multi-particle azimuthal correlations in pp, $p\bar{p}$ +Pb and low-multiplicity $Pb\bar{p}$ +Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 428	4.2	48
685	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb of ( $\sqrt{s} = 7\text{TeV}$ ) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	48
684	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	48
683	Measurement of the prompt [Formula: see text] pair production cross-section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 76	4.2	47
682	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 24	4.2	47

681	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	47
680	Comparison of the isolated direct photon cross sections in pp collisions at $s=1.8$ TeV and $s=0.63$ TeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4-9	47
679	Search for a new resonance decaying to a $\gamma$ or boson and a Higgs boson in the [Formula: see text] final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 263	4-2	46
678	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3023	4-2	46
677	Search for lepton-flavour-violating $H \rightarrow \tau\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	46
676	Search for gluinos and squarks at the Fermilab Tevatron collider. <i>Physical Review D</i> , <b>1997</b> , 56, R1357-R1362	4-2	46
675	Search for long-lived charged massive particles in pp collisions at square root $s = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2003</b> , 90, 131801	7-4	46
674	Measurement of the helicity of W bosons in top quark decays. <i>Physical Review Letters</i> , <b>2000</b> , 84, 216-21	7-4	46
673	Observation of B0 decay to two charmless mesons. <i>Physical Review Letters</i> , <b>1993</b> , 71, 3922-3926	7-4	46
672	Analysis of hadronic transitions in Upsilon (3S) decays. <i>Physical Review D</i> , <b>1994</b> , 49, 40-57	4-9	46
671	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ( $\sqrt{s}=8$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	45
670	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	45
669	Measurement of ZZ production in pp collisions at ( $\sqrt{s}=7$ ) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	45
668	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at [Formula: see text] TeV in 2010. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3034	4-2	45
667	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ( $\sqrt{s}=7$ ;mathrm{TeV}) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
666	Upsilon (1S) $\rightarrow$ $\gamma$ + noninteracting particles. <i>Physical Review D</i> , <b>1995</b> , 51, 2053-2060	4-9	45
665	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text] TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 318	4-2	44
664	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 154	4-2	44

663	High-voltage pixel detectors in commercial CMOS technologies for ATLAS, CLIC and Mu3e experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 731, 131-136	1.2	44
662	Measurement of isolated-photon pair production in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	44
661	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7\text{TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	44
660	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	44
659	Search for First Generation Leptoquark Pair Production in pp Collisions at $s=1.8\text{TeV}$ . <i>Physical Review Letters</i> , <b>1997</b> , 79, 4327-4332	7.4	44
658	Measurement of tau decays involving eta mesons. <i>Physical Review Letters</i> , <b>1992</b> , 69, 3278-3281	7.4	44
657	Angular analysis of $B^0 \rightarrow K^* \mu^+ \mu^-$ decays in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	44
656	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	43
655	Measurement of the cross section for top-quark pair production in pp collisions at ( $\sqrt{s} = 7\text{TeV}$ ) with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	43
654	ATLAS b-jet identification performance and efficiency measurement with ( $t\bar{t}$ ) events in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	43
653	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 466	4.2	42
652	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 $8\text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 283	4.2	42
651	Measurement of the top quark mass with the template method in the $[Formula: see text]$ channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4.2	42
650	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 Interpreted in the phenomenological MSSM. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	42
649	Search for single-top-quark production in pp collisions at $s=1.8\text{TeV}$ . <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	42
648	Searches for New Physics in Diphoton Events in pp Collisions at $\sqrt{s}=1.8\text{TeV}$ . <i>Physical Review Letters</i> , <b>1998</b> , 81, 1791-1796	7.4	42
647	Search for the Flavor-Changing Neutral Current Decays $B^+ \rightarrow \mu^+ \mu^0$ and $B^0 \rightarrow \mu^+ \mu^0$ . <i>Physical Review Letters</i> , <b>1999</b> , 83, 3378-3383	7.4	42
646	Search for heavy resonances in the and final states using proton-proton collisions at $\sqrt{s}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 293	4.2	41

645	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2883	4.2	4 <sup>1</sup>
644	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	4 <sup>1</sup>
643	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ( $\sqrt{s}=7\sim\text{mbox{TeV}}$ ) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	4 <sup>1</sup>
642	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , <b>2010</b> , 70, 723-753	4.2	4 <sup>1</sup>
641	Observation of diffractive b-quark production at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>2000</b> , 84, 232-7	7.4	4 <sup>1</sup>
640	Measurement of the $t\bar{t}$ Production Cross Section in $pp$ Collisions at $s=1.8\text{TeV}$ . <i>Physical Review Letters</i> , <b>1998</b> , 80, 2773-2778	7.4	4 <sup>1</sup>
639	Measurement of baryon production in B-meson decay. <i>Physical Review D</i> , <b>1992</b> , 45, 752-770	4.9	4 <sup>1</sup>
638	Search for new particles in events with one lepton and missing transverse momentum in $pp$ collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	4 <sup>0</sup>
637	Soft and hard interactions in $pp$ collisions at $s=1800$ and 630 GeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	4 <sup>0</sup>
636	Searches for new physics in diphoton events in $pp$ collisions at $s=1.8\text{TeV}$ . <i>Physical Review D</i> , <b>1999</b> , 59,	4.9	4 <sup>0</sup>
635	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 199	4.2	3 <sup>9</sup>
634	Search for supersymmetry at ( $\sqrt{s}$ ) = 8 TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3 <sup>9</sup>
633	A search for ( $\overline{t}$ ) resonances in lepton+jets events with highly boosted top quarks collected in $pp$ collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	3 <sup>9</sup>
632	Observation of a new charmed strange meson. <i>Physical Review Letters</i> , <b>1994</b> , 72, 1972-1976	7.4	3 <sup>9</sup>
631	Search for charged Higgs bosons decaying into top and bottom quarks at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3 <sup>9</sup>
630	Performance of algorithms that reconstruct missing transverse momentum in [Formula: see text]= 8 TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 241	4.2	3 <sup>8</sup>
629	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 229	4.2	3 <sup>8</sup>
628	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3 <sup>8</sup>

627	Observation of $B_0 \rightarrow J/\psi K_S$ at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , <b>1997</b> , 55, 1142-1152.9	38
626	Luminosity measurement with the CLEO II detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1994</b> , 345, 429-439 <sup>1.2</sup>	38
625	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ( $\sqrt{s} = 13$ ) (text {TeV}). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2 37
624	Measurement of the production of a W boson in association with a charm quark in pp collisions at ( $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4 37
623	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4 37
622	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in ( $\sqrt{s} = 7, \text{TeV}$ ) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4 37
621	Limits on the production of the standard model Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2 37
620	Search for massive colored scalars in four-jet final states in ( $\sqrt{s}=7 \sim 8$ TeV) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2 37
619	Search for quark-lepton compositeness and a heavy $W'$ Boson using the $e\nu$ channel in pp collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2001</b> , 87, 231803	7.4 37
618	Limits on extra dimensions and new particle production in the exclusive photon and missing energy signature in pp collisions at square root $s=1.8$ TeV. <i>Physical Review Letters</i> , <b>2002</b> , 89, 281801	7.4 37
617	Measurement of the $B_0 \rightarrow B^0$ Oscillation Frequency Using $B$ Meson Charge-Flavor Correlations in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2057-2062	7.4 37
616	Observation of $D_0 \rightarrow K^+ \pi^-$ . <i>Physical Review Letters</i> , <b>1994</b> , 72, 1406-1410	7.4 37
615	Charged-particle distributions at low transverse momentum in [Formula: see text]TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 502	4.2 37
614	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4 36
613	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at ( $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4 36
612	Evidence for $W+W$ Production in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , <b>1997</b> , 78, 4536-4540 <sup>7.4</sup>	36
611	Momentum distribution of charged particles in jets in dijet events in pp collisions at $s=1.8$ TeV and comparisons to perturbative QCD predictions. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9 36
610	Measurement of partial widths and search for direct CP violation in $D_0$ meson decays to $K-K^+$ and $\pi-\pi^+$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 122001	7.4 36

609	Measurement of the Lambda c+ decay-asymmetry parameter. <i>Physical Review Letters</i> , <b>1990</b> , 65, 2842-2845	4.2	36
608	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 142	4.2	35
607	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 171	4.2	35
606	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 322	4.2	35
605	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 379	4.2	35
604	Search for second generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7\text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	35
603	Measurement of the strong coupling constant from inclusive jet production at the Tevatron pp collider. <i>Physical Review Letters</i> , <b>2002</b> , 88, 042001	7.4	35
602	Search for the charged Higgs boson in the decays of top quark pairs in the e and channels at $s=1.8\text{ TeV}$ . <i>Physical Review D</i> , <b>2000</b> , 62,	4.9	35
601	Search for new particles decaying to t and in p and collisions at $\sqrt{s} = 1.8\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2000</b> , 85, 2062-7	7.4	35
600	Search for gluino and squark cascade decays at the Fermilab tevatron collider. <i>Physical Review Letters</i> , <b>1996</b> , 76, 2006-2010	7.4	35
599	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ( $\sqrt{s}=7\text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	34
598	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ( $\sqrt{s} = 7\text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	34
597	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ( $\sqrt{s} = 7\text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
596	Measurement of the cross section for tt production in pp collisions using the kinematics of lepton+jets events. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	34
595	Double diffraction dissociation at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , <b>2001</b> , 87, 141804	7.4	34
594	Measurement of the absolute branching fraction for $D_0 \rightarrow K^- \pi^+$ . <i>Physical Review Letters</i> , <b>1993</b> , 71, 3070-3074	7.4	34
593	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 565	4.2	34
592	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , <b>2017</b> , 77, 673	4.2	33



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590	Measurement of the CP-Violation Parameter $\sin(2\beta)$ in $B_d^0/B_s^0 \rightarrow J/\psi K_S^0$ Decays. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5513-5518	7.4	33
589	Measurement of the cross section for prompt diphoton production in pp collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 022003	7.4	33
588	Search for charged Higgs bosons in the $H^\pm \rightarrow tb$ decay channel in pp collisions at $(\sqrt{s}=8)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	33
587	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> , <b>2018</b> , 2018, 1	5.4	33
586	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \ell\bar{\nu}$ in the $\ell$ -jets and $\ell$ -lepton final states with 36 fb $^{-1}$ of pp collision data recorded at $(\sqrt{s}=13)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	33
585	Measurement of the top quark mass in the $[t \rightarrow Wb]$ and $[t \rightarrow Wq]$ channels using $[t \rightarrow Wb]$ ATLAS data. <i>European Physical Journal C</i> , <b>2015</b> , 75, 330	4.2	32
584	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 18	4.2	32
583	Search for electroweak single-top-quark production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	32
582	First measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ and associated limit on the Cabibbo-Kobayashi-Maskawa element $ V_{cb} $ . <i>Physical Review Letters</i> , <b>2001</b> , 86, 3233-8	7.4	32
581	Tau decays with one charged particle plus multiple pi $^0$ 's. <i>Physical Review Letters</i> , <b>1993</b> , 70, 1207-1211	7.4	32
580	Search for pair production of Higgs bosons in the $(\gamma\gamma)$ final state using proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
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578	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
577	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $(\sqrt{s}=7)$ TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	31
576	Measurement of the production and lepton charge asymmetry of $[Z/\gamma]$ bosons in Pb+Pb collisions at $[2.76]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 23	4.2	31
575	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $[8]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3134	4.2	31
574	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $(\sqrt{s} = 8)$ TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	31

573	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ( $\sqrt{s}=7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	3 <sup>1</sup>
572	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ( $\sqrt{s}=7\text{TeV}$ ) proton-proton collisions. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	3 <sup>1</sup>
571	Inclusive search for same-sign dilepton signatures in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	3 <sup>1</sup>
570	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using lepton plus jets events with semileptonic B decays to muons. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	3 <sup>1</sup>
569	The SVX3D integrated circuit for dead-timeless silicon strip readout. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1999</b> , 435, 58-64	1.2	3 <sup>1</sup>
568	Measurements of the decays $\tau \rightarrow h^+h^- \nu_\tau$ and $\tau \rightarrow h^+h^- \pi^0 \nu_\tau$ . <i>Physical Review Letters</i> , <b>1995</b> , 75, 3809-3813	7.4	3 <sup>1</sup>
567	Measurement of the ratio $\sigma(B \rightarrow \pi^0 l^+ \nu) / \sigma(B \rightarrow K^0 l^+ \nu)$ . <i>Physical Review Letters</i> , <b>1993</b> , 71, 1311-1315	7.4	3 <sup>1</sup>
566	Measurements of b-jet tagging efficiency with the ATLAS detector using ( $\overline{t}$ ) events at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3 <sup>1</sup>
565	A review of advances in pixel detectors for experiments with high rate and radiation. <i>Reports on Progress in Physics</i> , <b>2018</b> , 81, 066101	14.4	3 <sup>0</sup>
564	Search for third generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	3 <sup>0</sup>
563	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3 <sup>0</sup>
562	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at ( $\sqrt{s}=8$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3 <sup>0</sup>
561	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2328	4.2	3 <sup>0</sup>
560	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ( $\sqrt{s}=900$ ) GeV and ( $\sqrt{s}=7$ ) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	3 <sup>0</sup>
559	The $\Gamma$ and $e\Gamma$ Decays of Top Quark Pairs Produced in pp Collisions at $\sqrt{s}=1.8\text{TeV}$ . <i>Physical Review Letters</i> , <b>1997</b> , 79, 3585-3590	7.4	3 <sup>0</sup>
558	Measurement of $W$ and $Z$ production in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 041803	7.4	3 <sup>0</sup>
557	Events with a Rapidity Gap between Jets in pp Collisions at $\sqrt{s}=630\text{GeV}$ . <i>Physical Review Letters</i> , <b>1998</b> , 81, 5278-5283	7.4	3 <sup>0</sup>
556	Measurement of the branching fraction $\sigma(B \rightarrow h^+ \pi^0 \nu_\tau)$ . <i>Physical Review Letters</i> , <b>1994</b> , 72, 3762-3766	7.4	3 <sup>0</sup>

555	Study of the decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 323, 219-226	4.2	30
554	Inclusive chi (2P) production in Upsilon (3S) decay. <i>Physical Review Letters</i> , <b>1991</b> , 67, 1696-1700	7.4	30
553	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	30
552	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	29
551	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
550	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 332	4.2	29
549	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	29
548	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
547	Form factor ratio measurement in $\Lambda_b \rightarrow \Lambda e^+ \nu_e$ . <i>Physical Review Letters</i> , <b>1995</b> , 75, 624-628	4.2	29
546	Lepton asymmetry measurements in $B \rightarrow D^* \ell \bar{\nu}_\ell$ and implications for V-A and the form factors. <i>Physical Review D</i> , <b>1993</b> , 47, 791-798	4.9	29
545	First measurement of $\Gamma(D_s \rightarrow \mu^+ \nu) / \Gamma(D_s \rightarrow \pi^+ \pi^0)$ . <i>Physical Review D</i> , <b>1994</b> , 49, 5690-5700	4.9	29
544	Measurement of the inclusive $B^*$ cross section above the Upsilon (4S). <i>Physical Review Letters</i> , <b>1991</b> , 67, 1692-1695	7.4	29
543	Production and decay of the $D_{s1}(2536)^+$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 303, 377-384	4.2	29
542	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 466	4.2	28
541	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 250	4.2	28
540	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 295	4.2	28
539	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 55	4.2	28
538	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using kinematic fitting of b-tagged lepton+jet events. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	28

537	Search for second and third generation leptoquarks including production via technicolor interactions in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 85, 2056-61	7.4	28
536	Measurement of b-quark fragmentation fractions in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 84, 1663-8	7.4	28
535	Search for Chargino-Neutralino Associated Production at the Fermilab Tevatron Collider. <i>Physical Review Letters</i> , <b>1998</b> , 80, 5275-5280	7.4	28
534	Search for R-Parity Violating Supersymmetry Using Like-Sign Dielectrons in $pp$ Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1999</b> , 83, 2133-2138	7.4	28
533	Ratios of bottom meson branching fractions involving $J/\psi$ mesons and determination of b quark fragmentation fractions. <i>Physical Review D</i> , <b>1996</b> , 54, 6596-6609	4.9	28
532	Limit on the tau neutrino mass. <i>Physical Review Letters</i> , <b>1993</b> , 70, 3700-3704	7.4	28
531	Measurement of Cabibbo-suppressed decays of the tau lepton. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1079-1083	7.4	28
530	Isospin mass splittings from precision measurements of $D^*-D$ mass differences. <i>Physical Review Letters</i> , <b>1992</b> , 69, 2046-2049	7.4	28
529	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $[Formula: see text]$ boson in the $[Formula: see text]$ final state produced in collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 585	4.2	28
528	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	28
527	Fiducial, total and differential cross-section measurements of $\gamma$ -channel single top-quark production in collisions at $8\sqrt{s}$ TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 531	4.2	27
526	Measurement of the inclusive jet cross-section in proton-proton collisions at $(\sqrt{s}=7)$ TeV using $4.5\text{ fb}^{-1}$ of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	27
525	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $(\sqrt{s}=13)$ TeV $pp$ collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
524	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	27
523	Production of $\chi(c1)$ and $\chi(c2)$ in $pp$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2001</b> , 86, 3963-8	7.4	27
522	Measurement of the $B_{S0}$ meson lifetime using semileptonic decays. <i>Physical Review D</i> , <b>1999</b> , 59,	4.9	27
521	Observation of $D_1(2420)^+$ and $D_2^*(2460)^+$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 340, 194-204	4.2	27
520	Study of the rare decays of $[Formula: see text]$ and $[Formula: see text]$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 513	4.2	27

519	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	26
518	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	26
517	Measurement of $\tau_1$ and $\tau_2$ production with ( $\sqrt{s}$ ) = 7 TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
516	Measurements of the production cross section of a [Formula: see text] boson in association with jets in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 361	4.2	26
515	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	26
514	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
513	Measurement of $d\sigma/dM$ and forward-backward charge asymmetry for high-mass Drell-Yan $e^{(+)}e^{(-)}$ pairs from pp macro collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2001</b> , 87, 131802	7.4	26
512	Search for scalar top quark production in $p\bar{p}$ collisions at $\sqrt{s}$ . <i>Physical Review Letters</i> , <b>2000</b> , 84, 5273-8	7.4	26
511	Measurement of the decay amplitudes of $B^0 \rightarrow J/\psi K^*0$ and $B(s)(0) \rightarrow J/\psi \text{straight } \phi$ decays. <i>Physical Review Letters</i> , <b>2000</b> , 85, 4668-73	7.4	26
510	Measurement of $Z^0$ and Drell-Yan production cross sections using dimuons in $p\bar{p}$ collisions at $s=1.8\text{TeV}$ . <i>Physical Review D</i> , <b>1999</b> , 59,	4.9	26
509	Search for $B \rightarrow \dots$ . <i>Physical Review Letters</i> , <b>1995</b> , 75, 785-789	7.4	26
508	Measurement of $\Lambda_b$ Lifetime Using $\Lambda_b \rightarrow \Lambda + c$ . <i>Physical Review Letters</i> , <b>1996</b> , 77, 1439-1443	7.4	26
507	Measurement of the decay $\tau \rightarrow \pi^- \pi^+ \pi^- \pi^0 \nu_\tau$ . <i>Physical Review Letters</i> , <b>1993</b> , 71, 1791-1795	7.4	26
506	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the $\tau$ decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 658	4.2	26
505	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P03017-P03017	1	25
504	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2362	4.2	25
503	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
502	Search for [Formula: see text] decays in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 165	4.2	25

501	Measurements of bottom-antibottom azimuthal production correlations in proton-antiproton collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	25
500	New decay modes of the Lambda +c charmed baryon. <i>Physical Review Letters</i> , <b>1995</b> , 74, 3534-3537	7.4	25
499	Forward-Backward Charge Asymmetry of Electron Pairs above the Z0 Pole. <i>Physical Review Letters</i> , <b>1996</b> , 77, 2616-2621	7.4	25
498	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 547	4.2	25
497	Measurement of the inclusive isolated prompt photon cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	25
496	Measurement of the top quark mass in the ( $t\bar{t}$ ) lepton+jets channel from ( $\sqrt{s}=8$ ) TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	24
495	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	24
494	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at ( $\sqrt{s}$ ) = 7 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
493	Measurement of the production cross section of prompt J/ $\psi$ mesons in association with a W $\pm$ boson in pp collisions at ( $\sqrt{s}$ ) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
492	Measurement of the differential cross-section of B + meson production in pp collisions at ( $\sqrt{s}=7$ ) TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	24
491	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
490	Search for first-generation scalar leptoquarks in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	24
489	Optimized search for single-top-quark production at the Fermilab Tevatron. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	24
488	Search for narrow diphoton resonances and for $\#W/Z$ signatures in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	24
487	Search for a fourth-generation quark more massive than the Z0 boson in p&pmacr; collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 84, 835-40	7.4	24
486	Search for flavor-changing neutral current B meson decays in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1996</b> , 76, 4675-4680	7.4	24
485	Measurement of the cross section for $\gamma\gamma \rightarrow p\bar{p}$ . <i>Physical Review D</i> , <b>1994</b> , 50, 5484-5490	4.9	24
484	Search for single production of vector-like quarks decaying into in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 442	4.2	24

483	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 154	4.2	23
482	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
481	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	23
480	KS0 and $\bar{D}$ production studies in pp collisions at $\sqrt{s}=1800$ and 630 GeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	23
479	Direct photon cross section with conversions at CDF. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	23
478	Observation of the isospin-violating decay $D_s^{*+} \rightarrow D^+ s \pi^0$ . <i>Physical Review Letters</i> , <b>1995</b> , 75, 3232-3236	7.4	23
477	Study of the decays $\Lambda_b^+ \rightarrow \Xi^0 K^+$ , $\Lambda_b^+ \rightarrow \Sigma^+ K^+ K^-$ , and $\Lambda_b^+ \rightarrow \Xi^- K^+ \pi^+$ . <i>Physical Review Letters</i> , <b>1993</b> , 71, 2391-2395	7.4	23
476	Measurement of the $D \rightarrow \pi \pi$ branching fractions. <i>Physical Review Letters</i> , <b>1993</b> , 71, 1973-1977	7.4	23
475	Two-photon production of charged pion and kaon pairs. <i>Physical Review D</i> , <b>1994</b> , 50, 3027-3037	4.9	23
474	Study of the five-charged-pion decay of the tau lepton. <i>Physical Review Letters</i> , <b>1994</b> , 73, 934-938	7.4	23
473	Measurement of the ratio $B(D^0 \rightarrow K^{*-} e^+ \nu_e)/B(D^0 \rightarrow K^- e^+ \nu_e)$ . <i>Physical Review D</i> , <b>1991</b> , 44, 3394-3401	4.9	23
472	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 401	4.2	23
471	Search for Higgs boson pair production in the $(\gamma\gamma b\bar{b})$ final state with 13 TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
470	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 762	4.2	23
469	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 26	4.2	22
468	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
467	Search for heavy long-lived multi-charged particles in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 362	4.2	22
466	Search for W W/Z resonance production in $\bar{q}q$ final states in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22

465	A search for prompt lepton-jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	22
464	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
463	A search for high-mass resonances decaying to $\mu\mu$ in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
462	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
461	Measurement of the W boson polarization in top decay at CDF at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	22
460	Measurement of the ratio of b quark production cross sections in p <p <math="" at="" collisions="">s=630 GeV and <math>s=1800</math> GeV. <i>Physical Review D</i>, <b>2002</b>, 66,</p>	4.9	22
459	Identification of top quarks using kinematic variables. <i>Physical Review D</i> , <b>1995</b> , 52, R2605-R2609	4.9	22
458	Search for exclusive $b \rightarrow u$ semileptonic decays of B mesons. <i>Physical Review Letters</i> , <b>1993</b> , 70, 2681-2685	4.4	22
457	Search for B <sub>0</sub> decays to two charged leptons. <i>Physical Review D</i> , <b>1994</b> , 49, 5701-5704	4.9	22
456	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
455	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
454	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 79	4.2	21
453	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 11	4.2	21
452	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3195	4.2	21
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450	Search for Kaluza-Klein graviton emission in pp collisions at square root[s] = 1.8 TeV using the missing energy signature. <i>Physical Review Letters</i> , <b>2004</b> , 92, 121802	7.4	21
449	Search for Second Generation Leptoquarks in the Dimuon Plus Dijet Channel of pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 81, 4806-4811	7.4	21
448	Search for New Particles Decaying to $b\bar{b}$ in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1999</b> , 82, 2038-2043	7.4	21



447	Measurement of $B_{\text{FB}}^0$ flavor oscillations using jet-charge and lepton flavor tagging in $pp$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	21
446	Measurement of the ratio of branching fractions $B(D_0 \rightarrow \pi^- e^+ \nu_e)/B(D_0 \rightarrow K^- e^+ \nu_e)$ . <i>Physical Review D</i> , <b>1995</b> , 52, 2656-2660	4.9	21
445	Search for $\tau \rightarrow \gamma \mu^-$ : A test of lepton number conservation. <i>Physical Review Letters</i> , <b>1993</b> , 70, 138-142	7.4	21
444	Measurement of two-photon production of the $\chi_{c2}$ . <i>Physical Review D</i> , <b>1994</b> , 50, 4265-4271	4.9	21
443	Shape studies of quark jets versus gluon jets at $\sqrt{s}=10$ GeV. <i>Physical Review D</i> , <b>1992</b> , 46, 4822-4827	4.9	21
442	Study of hard double-parton scattering in four-jet events in $pp$ collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	21
441	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV $pp$ collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
440	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1007	4.2	21
439	Search for new phenomena in events with same-charge leptons and b-jets in $pp$ collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
438	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 997	4.2	21
437	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 58	4.2	20
436	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
435	Searches for heavy diboson resonances in $pp$ collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
434	Measurement of $(W^{\pm}Z)$ production cross sections and gauge boson polarisation in $pp$ collisions at ( $\sqrt{s}=13$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	20
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431	Measurement of the top quark $p(T)$ distribution. <i>Physical Review Letters</i> , <b>2001</b> , 87, 102001	7.4	20
430	Direct measurement of the W boson width in $pp$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 85, 3347-52	7.4	20

429	Measurement of the $D^+ \rightarrow \eta c$ . <i>Physical Review Letters</i> , <b>1995</b> , 75, 3804-3808	7.4	20
428	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	20
427	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 565	4.2	20
426	Measurement of the boson polarisation in ( $\sqrt{s}$ ) events from collisions at ( $\sqrt{s}$ ) = 8 TeV in the lepton+jet channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4.2	19
425	Performance of top-quark and (W)-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	19
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423	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 898	4.2	19
422	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 872	4.2	19
421	The SVX4 integrated circuit. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2003</b> , 511, 171-173	1.2	19
420	Observation of $B^+ \rightarrow \psi K^+$ and $B^0 \rightarrow \psi K^*(892)^0$ decays and measurements of B-meson branching fractions into $J/\psi$ and ( $\psi$ ) final states. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	19
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417	Search for chargino-neutralino production in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1996</b> , 76, 4307-4311	7.4	19
416	Search for neutrinoless decays of the tau lepton. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1890-1894	7.4	19
415	Unusual decay modes of $D^0$ and $D^+$ mesons. <i>Physical Review D</i> , <b>1991</b> , 44, 3383-3393	4.9	19
414	Charged-particle distributions in interactions at ( $\sqrt{s}$ ) measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 403	4.2	19
413	Measurement of three-jet production cross-sections in ( $\sqrt{s}$ ) collisions at ( $\sqrt{s}$ ) centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 228	4.2	18
412	Search for long-lived neutral particles in pp collisions at ( $\sqrt{s}$ ) = 13 TeV that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	18

411	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	18
410	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	18
409	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2982	4.2	18
408	Measurement of the low-mass Drell-Yan differential cross section at $(\sqrt{s}) = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
407	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2676	4.2	18
406	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
405	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-65	5.4	18
404	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , <b>2015</b> , 75, 407	4.2	18
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402	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $(\sqrt{s}=7)$ TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	18
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399	Diffractive dijet production at $\sqrt{s} = 630$ and 1800 GeV at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>2002</b> , 88, 151802	7.4	18
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394	Measurement of the decay asymmetry parameters in $\bar{B}^+ \rightarrow \mu^+ \bar{\nu}_\mu$ and $\bar{B}^+ \rightarrow \mu^+ \bar{\nu}_\mu$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 350, 256-262	4.2	18

393	Study of $t\bar{t}$ collisions using total transverse energy. <i>Physical Review Letters</i> , <b>1995</b> , 75, 3997-4002	7.4	18
392	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 87	4.2	18
391	Searches for heavy ZZ and ZW resonances in the $\bar{t}q$ and $t\bar{q}$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
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389	Measurement of polarization in $\tau \rightarrow \mu \nu$ decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4.2	17
388	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3117	4.2	17
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385	Search for gluinos and squarks using like-sign dileptons in pp macro collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2001</b> , 87, 251803	7.4	17
384	Measurement of $d\bar{t}/dy$ for high mass Drell-Yan $e^+e^-$ pairs from pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2000</b> , 63,	4.9	17
383	Search for Higgs Bosons Produced in Association with a Vector Boson in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5748-5753	7.4	17
382	Measurement of the $B_d^0\bar{B}_d^0$ oscillation frequency using dimuon data in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	17
381	Search for charged Higgs boson decays of the top quark using hadronic tau decays. <i>Physical Review D</i> , <b>1996</b> , 54, 735-742	4.9	17
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379	Measurement of the Branching Fraction $B(B \rightarrow u \rightarrow J/\psi \pi^+)$ and Search for $B \rightarrow c \rightarrow J/\psi \pi^+$ . <i>Physical Review Letters</i> , <b>1996</b> , 77, 5176-5181	7.4	17
378	Search for a scalar partner of the top quark in the all-hadronic ( $t\bar{t}$ ) plus missing transverse momentum final state at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	17
377	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text] 3 TeV [Formula: see text] collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 517	4.2	17
376	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16

375	3-D tracking in a miniature time projection chamber. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 788, 95-105	1.2	16
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372	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 580	4.2	16
371	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	16
370	Search for new phenomena in events with three or more charged leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
369	Measurement of the ( $\overline{t}W$ ) and ( $\overline{t}Z$ ) production cross sections in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
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367	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3168	4.2	16
366	Measurement of the production cross-section of $\Upsilon(2S) \rightarrow J/\psi + \Upsilon(1S) + \Upsilon(3S)$ in pp collisions at ( $\sqrt{s} = 7$ TeV) at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
365	Search for anomalous production of prompt like-sign lepton pairs at ( $\sqrt{s}=7\text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	16
364	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	16
363	Charged-particle multiplicity pp collisions at square root of ( $s$ ) = 1.8 TeV. <i>Physical Review Letters</i> , <b>2001</b> , 87, 211804	7.4	16
362	Search for new physics in photon-lepton events in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2002</b> , 89, 041802	7.4	16
361	First observation of the decay $\Xi_{cc}^+ \rightarrow \Xi_{cc}^0 e^+ \nu_e$ and an estimate of the $\Xi_{cc}^+ / \Xi_{cc}^0$ lifetime ratio. <i>Physical Review Letters</i> , <b>1995</b> , 74, 3113-3117	7.4	16
360	Properties of Jets in Z Boson Events from 1.8 TeV p-barp Collisions. <i>Physical Review Letters</i> , <b>1996</b> , 77, 448-453	7.4	16
359	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , <b>2016</b> , 76, 526	4.2	16
358	Search for the Higgs boson produced in association with a boson and decaying to four -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 605	4.2	16

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356	Measurement of fiducial and differential ( $W^+W^-$ ) production cross-sections at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
355	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02\text{--}7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
354	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	16
353	Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of ( $\sqrt{s}=13$ ) TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	15
352	Determination of spin and parity of the Higgs boson in the [Formula: see text] decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 231	4.2	15
351	Measurement of the top quark charge in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
350	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=7\text{--}13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
349	Measurements of $\chi(3512)$ and $\chi(3872) \rightarrow J/\psi \pi^0$ production in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
348	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2017</b> , 77, 563	4.2	15
347	Determination of the top-quark pole mass using ( $t$ ) + 1-jet events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	15
346	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043009	2.9	15
345	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	15
344	Observation of orbitally excited B mesons in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	15
343	Measurement of the $B^0B^0$ oscillation frequency using $D^{*+}$ pairs and lepton flavor tags. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	15
342	The SVX II silicon vertex detector upgrade at CDF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 383, 13-20	1.2	15
341	Measurements of the B- and B <sup>0</sup> meson lifetimes using semileptonic decays. <i>Physical Review Letters</i> , <b>1996</b> , 76, 4462-4467	7.4	15
340	Observation of $B^+$ decays to $\pi^0$ , $D^0$ , $D^0$ , and $D^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 325, 257-262	4.2	15

339	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
338	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 625	4.2	15
337	Measurement of the $\sigma(\text{lepton pair})$ and $\sigma(\text{lepton pair})$ production cross sections in multilepton final states using 3.2 fb of $\sqrt{s}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 40	4.2	14
336	Measurements of electroweak $\sigma(\text{lepton pair})$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 474	4.2	14
335	Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	14
334	Measurement of the $\sigma(\text{lepton pair})$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
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332	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	14
331	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	14
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329	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
328	A search for $\sigma(\text{lepton pair})$ resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at $\sqrt{s}$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4.2	14
327	Submission of the first full scale prototype chip for upgraded ATLAS pixel detector at LHC, FE-I4A. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 650, 111-114	1.2	14
326	The FE-I4 pixel readout system-on-chip resubmission for the insertable B-Layer project. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, C02050-C02050	1	14
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324	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	14
323	Test Beam Characterization of 3-D Silicon Pixel Detectors. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 3731-3735	1.7	14
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319	Search for CP violation in D0 decay. <i>Physical Review D</i> , <b>1995</b> , 52, 4860-4867	4.9	14
318	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	14
317	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a a \rightarrow 4b$ channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14
316	Measurements of top-quark pair differential cross-sections in the [Formula: see text] channel in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 292	4.2	13
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311	Identification of high transverse momentum top quarks in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
310	Addendum to Measurement of the ( $t\bar{t}$ ) production cross-section using ( $e\mu$ ) events with b-tagged jets in pp collisions at ( $\sqrt{s}$ ) = 7 and 8 ( $\text{TeV}$ ) with the ATLAS detector [ <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	13
309	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 4	4.2	13
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304	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13



303	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
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297	Semileptonic Branching Fractions of Charged and Neutral B Mesons. <i>Physical Review Letters</i> , <b>1994</b> , 73, 3503-3507	7.4	13
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294	Observation of the decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 283, 161-164	4.2	13
293	Search for exclusive b $\rightarrow$ u transitions in hadronic decays of B mesons involving mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 319, 365-372	4.2	13
292	Fluctuations of anisotropic flow in Pb+Pb collisions at ( $\sqrt{\mathit{s}}_{\mathit{NN}}$ ) = 5.02 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	13
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289	Measurements of top-quark pair differential and double-differential cross-sections in the (ell)+jets channel with pp collisions at ( $\sqrt{s}$ )=13 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	13
288	Operation and performance of the ATLAS Tile Calorimeter in Run <sup>1</sup> . <i>European Physical Journal C</i> , <b>2018</b> , 78, 987	4.2	13
287	Measurements of W and Z boson production in pp collisions at ( $\sqrt{s}$ )=5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	12
286	Measurement of the W W + W Z cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at ( $\sqrt{s}$ )=7 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12

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283	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
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280	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1-46	5.4	12
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276	Measurement of the inclusive jet cross-sections in proton-proton collisions at ( $\sqrt{s}$ )=8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
275	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at ( $\sqrt{s}$ )=13 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
274	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \gamma\gamma$ in ( $\sqrt{s}$ )=13 TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
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272	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}$ )=7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	12
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265	Further properties of high-mass multijet events at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , <b>1996</b> , 54, 4221-4233	4.9	12
264	Measurement of exclusive $\Lambda_c$ decays with a $\Sigma^+$ in the final state. <i>Physical Review Letters</i> , <b>1993</b> , 71, 3255-3258	7.4	12
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262	Measurement of the top-quark mass in $(\overline{t}) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
261	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $(\sqrt{s} = 8 \text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	11
260	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 129	4.2	11
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241	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2040	4.2	10
240	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 765	4.2	10
239	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	10
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237	Inclusive double-pomeron exchange at the fermilab tevatron p p collider. <i>Physical Review Letters</i> , <b>2004</b> , 93, 141601	7.4	10
236	Measurement of the mass difference $m(D_s^+) - m(D^+)$ at CDF II. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	10
235	Search for radiative b-hadron decays in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>2002</b> , 66,	4.9	10
234	A measurement of the tau lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 291, 488-495	4.2	10
233	Towards third generation pixel readout chips. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 731, 83-87	1.2	9
232	Measurement of the ZZ production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV using the ZZ $\rightarrow \mu\mu +$ and ( $ZZ \rightarrow \mu\mu + \nu\bar{\nu}$ ) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9

231	Measurement of charged-particle distributions sensitive to the underlying event in ( $\sqrt{s}=13$ ) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
230	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb <sup>-1</sup> of ( $\sqrt{s}$ ) = 8 TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	9
229	Digital Architecture and Interface of the New ATLAS Pixel Front-End IC for Upgraded LHC Luminosity. <i>IEEE Transactions on Nuclear Science</i> , <b>2009</b> , 56, 388-393	1.7	9
228	A Capacitor Charge Pump DC-DC Converter for Physics Instrumentation. <i>IEEE Transactions on Nuclear Science</i> , <b>2009</b> , 56, 1507-1510	1.7	9
227	Measurement of the polar-angle distribution of leptons from W boson decay as a function of the W transverse momentum in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	9
226	Inclusive search for anomalous production of high-pT like-sign lepton pairs in pp collisions at square root $s = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 061802	7.4	9
225	Search for lepton flavor violating decays of a heavy neutral particle in p(-)p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>2003</b> , 91, 171602	7.4	9
224	Observation of B → D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 341, 435-440	4.2	9
223	Study of continuum D*+ spin alignment. <i>Physical Review D</i> , <b>1991</b> , 44, 593-600	4.9	9
222	Two-body Ds+ decays to eta pi +, eta ' pi +, eta rho +, eta ' rho +, and phi rho +. <i>Physical Review D</i> , <b>1992</b> , 45, 3965-3975	4.9	9
221	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	9
220	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4(ell) decay channel at ( $\sqrt{s}$ ) = 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
219	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
218	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
217	Measurement of VH, ( $\mathbf{H} \rightarrow \overline{\mathbf{b}} \mathbf{b}$ ) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
216	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in ( $\sqrt{s}$ ) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
215	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb <sup>-1</sup> of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
214	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05013-P05013	1	8

213	Search for scalar resonances decaying into $\mu\mu$ events with and without b-tagged jets produced in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
212	Measurement of splitting scales in $\rightarrow$ events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
211	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 144	4.2	8
210	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
209	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 158	4.2	8
208	Measurement of the azimuthal angle distribution of leptons from W boson decays as a function of the W transverse momentum in $pp$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	8
207	Central pseudorapidity gaps in events with a leading antiproton at the fermilab tevatron pp collider. <i>Physical Review Letters</i> , <b>2003</b> , 91, 011802	7.4	8
206	Search for the flavor-changing neutral current decay $D_0 \rightarrow \mu\mu$ in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	8
205	Search for supersymmetric Higgs bosons in the di-tau decay mode in $pp$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	8
204	Observation of inclusive B decays to the charmed baryons $\Sigma_{c++}$ and $\Sigma_{c0}$ . <i>Physical Review Letters</i> , <b>1994</b> , 73, 1472-1476	7.4	8
203	Study of $K^*$ production in tau decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 251, 223-228	4.2	8
202	Evidence for $(t\bar{t})$ production in the multilepton final state in proton-proton collisions at ( $\sqrt{s}=13$ ) (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
201	Search for light long-lived neutral particles produced in $pp$ collisions at ( $\sqrt{s} = 13$ -mathrm {TeV}) and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
200	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
199	Measurements of top-quark pair spin correlations in the (emu) channel at ( $\sqrt{s} = 13$ ) TeV using $pp$ collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
198	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in $pp$ collisions at ( $\sqrt{\text{mathrm}{s}} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
197	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 (mathrm {fb}^{-1}) of proton-proton collisions at ( $\sqrt{s} = 13$ ,)TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	8
196	Search for charged Higgs bosons decaying into a top quark and a bottom quark at ( $\sqrt{\text{mathrm}{s}} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8

195	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
194	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb <sup>-1</sup> of ( $\sqrt{s}$ ) = 13 TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
193	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 784	4.2	8
192	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
191	Measurements of inclusive and differential fiducial cross-sections of ( $t\bar{t}\gamma$ ) production in leptonic final states at ( $\sqrt{s}=13$ ~text {TeV}) in ATLAS. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
190	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ( $\sqrt{s}$ ) = 13 TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	7
189	Transverse momentum and process dependent azimuthal anisotropies in ( $\sqrt{s}_{\text{mathrm}}\{\text{NN}}\}=8.16$ ) TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
188	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 102	4.2	7
187	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4.2	7
186	Measurement of differential cross sections and $W^+/W^-$ cross-section ratios for W boson production in association with jets at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
185	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
184	Measurement of the ( $\overline{t}\gamma$ ) production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
183	Measurements of top-quark pair to Z-boson cross-section ratios at ( $\sqrt{s}=13$ ), 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
182	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
181	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ( $\sqrt{s}=13$ ) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
180	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> , <b>2017</b> , 2017, 1	5.4	7
179	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
178	Readout electronics architecture and packaging for the CDF silicon upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1997</b> , 392, 375-379	1.2	7

177	Search for scalar leptoquark pairs decaying to $lq$ in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	7
176	Search for ZZ and ZW production in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	7
175	Tests of enhanced leading order QCD in W boson plus jets events from 1.8 TeV $p\bar{p}$ collisions. <i>Physical Review D</i> , <b>2001</b> , 63,	4.9	7
174	Cross section for forward $J/\psi$ production in $pp$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2002</b> , 66,	4.9	7
173	Measurement of the differential dijet mass cross section in $pp$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2000</b> , 61,	4.9	7
172	Observation of the Cabibbo-suppressed charmed baryon decay $\Lambda_{c^+} \rightarrow p \phi$ . <i>Physical Review D</i> , <b>1996</b> , 53, R1013-R1017	4.9	7
171	Exclusive $(\bar{2}P)$ production in $\eta(3S)$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 294, 139-144	4.2	7
170	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
169	Search for type-III seesaw heavy leptons in dilepton final states in $pp$ collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
168	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $(\ell\ell b\bar{b})$ and $(\ell\ell WW)$ final states in $pp$ collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
167	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text]TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 670	4.2	7
166	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text]TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 541	4.2	7
165	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text]TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 81	4.2	7
164	Measurement of $(W^{\pm} \rho^{\pm})$ boson production in Pb+Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
163	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
162	Measurements of WH and ZH production in the $(H \rightarrow b\bar{b})$ decay channel in $pp$ collisions at $(13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
161	Commercialization of Micro-fabrication of Antenna-Coupled Transition Edge Sensor Bolometer Detectors for Studies of the Cosmic Microwave Background. <i>Journal of Low Temperature Physics</i> , <b>2018</b> , 193, 744-751	1.3	6
160	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 238	4.2	6



159	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	6
158	Novel fabrication techniques for low-mass composite structures in silicon particle detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 732, 103-108	1.2	6
157	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
156	Top-quark mass measurement in the all-hadronic ( $\overline{t}$ ) decay channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
155	Results of 65 nm pixel readout chip demonstrator array. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, C01055-C01055		6
154	The CDF Run IIb Silicon Detector: Design, preproduction, and performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2006</b> , 556, 459-481	1.2	6
153	Search for the decay $B_s \rightarrow \mu\mu$ in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	6
152	Measurement of the Differential Cross Section for Events with Large Total Transverse Energy in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 80, 3461-3466	7.4	6
151	Measurement of the $(W+\text{Jet})/W$ Cross Section Ratio from pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 81, 1367-1372	7.4	6
150	Measurement of bb rapidity correlations in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>1999</b> , 61,	4.9	6
149	Measurement of the Tau Lepton Electronic Branching Fraction. <i>Physical Review Letters</i> , <b>1993</b> , 71, 3395-3396	3.9	6
148	Measurement of the branching fraction for $\Upsilon(1S) \rightarrow \mu\mu$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 340, 129-134	4.2	6
147	Study of $D_0$ decays into final states with a $\pi^0$ or eta. <i>Physical Review D</i> , <b>1991</b> , 43, 2836-2842	4.9	6
146	$D_s^+$ decays to $\eta \pi^+$ and $\eta' \pi^+$ . <i>Physical Review Letters</i> , <b>1992</b> , 68, 1275-1278	7.4	6
145	Search for ( $\overline{t}$ ) resonances in fully hadronic final states in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	6
144	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
143	Search for new phenomena in final states with b-jets and missing transverse momentum in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
142	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6

141	Measurement of the ( $Z \rightarrow \nu \bar{\nu}$ ) production cross section in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
140	Search for exclusive Higgs and Z boson decays to $\tau^+\tau^-$ and $\mu^+\mu^-$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
139	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 220	4.2	5
138	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at ( $\sqrt{s}$ ) = 13 and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
137	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , <b>2018</b> , 78, 186	4.2	5
136	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
135	Measurement of four-jet differential cross sections in ( $\sqrt{s}=8$ ) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-76	5.4	5
134	3D-FBK pixel sensors: Recent beam tests results with irradiated devices. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 650, 150-157	1.2	5
133	System concepts for doublet tracking layers. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, C10001-C10001	1	5
132	Measurement of B-meson lifetimes using fully reconstructed B decays produced in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	5
131	Search for new heavy particles in the WZ0 final state in pp collisions at square root[s] = 1.8 TeV. <i>Physical Review Letters</i> , <b>2002</b> , 88, 071806	7.4	5
130	Study of $B^0 \rightarrow J/\psi K^0 \pi^+ \pi^-$ decays with the collider detector at Fermilab. <i>Physical Review Letters</i> , <b>2002</b> , 88, 071801	7.4	5
129	Properties of photon plus two-jet events in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>1998</b> , 57, 67-77	4.9	5
128	First Observation of $\Lambda_c^+ \rightarrow \bar{D}^0 p$ and an Estimate of the $\Lambda_c^+ \rightarrow \bar{D}^0 p$ Lifetime Ratio. <i>Physical Review Letters</i> , <b>1995</b> , 75, 4155-4155	7.4	5
127	Observation of the $\Lambda_c^+$ charmed baryon decays to $\bar{K}^0 p$ , $\pi^0 p$ , and $\pi^+ n$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 365, 431-436	4.2	5
126	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
125	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> , <b>2020</b> , 2020, 1	5.4	5
124	Observation of the associated production of a top quark and a Z boson in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5

123	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb <sup>1</sup> of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	5
122	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	5
121	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text][Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 375	4.2	5
120	Measurement of the relative width difference of the ( $\{B\}^0$ system) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5
119	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	5
118	Search for dark matter in association with an energetic photon in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	5
117	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 847	4.2	5
116	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 487	4.2	5
115	Measurement of jet activity in top quark events using the e <sup>+</sup> Final state with two b-tagged jets in pp collisions at ( $\sqrt{s}$ )=8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	4
114	Tests of gases in a mini-TPC with pixel chip readout. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 738, 111-118 <sup>1,2</sup>		4
113	Experience with 3D integration technologies in the framework of the ATLAS pixel detector upgrade for the HL-LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 731, 97-102	1.2	4
112	SEU tolerant memory design for the ATLAS pixel readout chip. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, C02026-C02026		
111	The CDF Run IIb silicon detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 518, 270-276	1.2	4
110	Sensors for the CDF Run2b silicon detector. <i>IEEE Transactions on Nuclear Science</i> , <b>2004</b> , 51, 1546-1554	1.7	4
109	CDF run IIb silicon detector: the innermost layer. <i>IEEE Transactions on Nuclear Science</i> , <b>2004</b> , 51, 2215-2219		4
108	Measurement of the two-jet differential cross section in pp collisions at $s=1800$ GeV. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	4
107	The port card for the silicon vertex detector upgrade of the Collider Detector at Fermilab. <i>IEEE Transactions on Nuclear Science</i> , <b>2001</b> , 48, 504-508	1.7	4
106	Search for heavy diboson resonances in semileptonic final states in pp collisions at ( $\sqrt{s}$ )=13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4

105	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
104	Measurement of $J/\psi$ production in association with a $W\Xi$ boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	4
103	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	4
102	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
101	Search for dark matter produced in association with a single top quark in ( $\sqrt{s}=13$ ) TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	4
100	Note: Coincidence measurements of He and neutrons from a compact D-D neutron generator. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 056105	1.7	3
99	Search for dijet resonances in events with an isolated charged lepton using ( $\sqrt{s}$ ) = 13 TeV proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3
98	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at ( $\sqrt{s}=8$ ) and 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
97	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 163	4.2	3
96	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13$ TeV with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	3
95	Self-adjusting threshold mechanism for pixel detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 867, 209-214 <sup>1,2</sup>		3
94	Measurement of the $k_t$ splitting scales in $Z \rightarrow \ell\bar{\ell}$ events in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3
93	HV/HR-CMOS sensors for the ATLAS upgraded concepts and test chip results. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, C03033-C03033	1	3
92	The design for test architecture in digital section of the ATLAS FE-I4 chip. <i>Journal of Instrumentation</i> , <b>2011</b> , 6, C01090-C01090	1	3
91	Properties of six-jet events with large six-jet mass at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , <b>1997</b> , 56, 2532-2543	4.9	3
90	Search for $B^0 \rightarrow p\bar{\Lambda}$ and $B^0 \rightarrow pK$ decays in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	3
89	CDF run IIb silicon: design and testing. <i>IEEE Transactions on Nuclear Science</i> , <b>2004</b> , 51, 2209-2214	1.7	3
88	CDF run IIb silicon detector: electrical performance and deadtime-less operation. <i>IEEE Transactions on Nuclear Science</i> , <b>2004</b> , 51, 987-993	1.7	3

87	Publisher's Note: Measurement of the W boson polarization in top decay at CDF at $\sqrt{s}=1.8$ TeV[Phys. Rev. D 71, 031101 (2005)]. <i>Physical Review D</i> , <b>2005</b> , 71,	4-9	3
86	Cross section and heavy quark composition of $B_c$ events produced in pp collisions. <i>Physical Review D</i> , <b>2001</b> , 65,	4-9	3
85	Search for the rare decay $W \rightarrow D_s \mu \nu$ in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>1998</b> , 58,	4-9	3
84	Search for the rare decay $W \rightarrow B \mu \nu$ in proton-antiproton collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>1998</b> , 58,	4-9	3
83	Semileptonic Branching Fractions of Charged and Neutral B Mesons. <i>Physical Review Letters</i> , <b>1995</b> , 74, 3090-3091	7-4	3
82	Charge collection efficiency in double-sided silicon microstrip detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 379, 237-242	1-2	3
81	Measurement of the gamma $+D^{*+/-}$ Cross Section in p-barp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1996</b> , 77, 5005-5010	7-4	3
80	Precision measurement of the $D_s^{*+}-D_s^+$ mass difference. <i>Physical Review D</i> , <b>1994</b> , 50, 1884-1891	4-9	3
79	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector <b>2015</b> , 75, 1		3
78	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider <b>2015</b> , 75, 1		3
77	Measurement of $K_S^0$ and $\Lambda^0$ production in $t \bar{t}$ dileptonic events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	3
76	Determination of jet calibration and energy resolution in proton-proton collisions at $(\sqrt{s} = 8 \sim 13 \text{ TeV})$ using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	3
75	Measurement of the inclusive jet cross-section in proton-proton collisions at $(\sqrt{s}=7)$ TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector <b>2015</b> , 2015, 1		3
74	Reconstruction and identification of boosted di-photon systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	3
73	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	3
72	Performance of silicon pixel detectors at small track incidence angles for the ATLAS Inner Tracker upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 831, 254-259	1-2	3
71	Measurement of hadronic event shapes in high-pT multijet final states at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	3
70	Determination of Z coordinate from track width in MiniTPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 851, 35-38	1-2	2

69	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
68	Measurement of the $Z \rightarrow \mu\mu$ production cross-section in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
67	Data encoding efficiency in binary strip detector readout. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P04021-P04021	4.2	2
66	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at ( $\sqrt{s}$ =8 ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	2
65	Application of Time Projection Chambers with GEMs and Pixels to WIMP Searches and Fast Neutron Detection. <i>Physics Procedia</i> , <b>2012</b> , 37, 567-574		2
64	Post-installation status of the ATLAS pixel detector. <i>Journal of Instrumentation</i> , <b>2009</b> , 4, P03021-P03021		2
63	Inclusive decay $B \rightarrow \eta X$ . <i>Physical Review D</i> , <b>1996</b> , 53, 6033-6053	4.9	2
62	Study of $D^0$ decays into $K\bar{0}$ and $K\bar{0}^*$ . <i>Physical Review D</i> , <b>1993</b> , 48, 4007-4017	4.9	2
61	Measurement of the $(\overline{t})$ production cross-section using (emu ) events with (b)-tagged jets in (pp) collisions at ( $\sqrt{s}$ =7) and 8 TeV with the ATLAS detector <b>2014</b> , 74, 1		2
60	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at ( $\sqrt{s}$ =8~)TeV with the ATLAS detector <b>2015</b> , 75, 1		2
59	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using ( $\sqrt{s}$ = 13hbox { TeV}) proton-proton collision data. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
58	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
57	Measurement of the inclusive isolated-photon cross section in pp collisions at ( $\sqrt{s}$ ) = 13 TeV using 36 fb of ATLAS data. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
56	Measurements of inclusive and differential cross-sections of combined ( $\overline{t}\gamma$ ) and $tW$ production in the e channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
55	Measurement of isolated-photon plus two-jet production in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
54	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
53	Search for supersymmetry in events with four or more charged leptons in 139 fb of ( $\sqrt{s}$ ) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
52	Measurement of ZZ production in the final state with the ATLAS detector in pp collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2

51	Measurement of ( $W^{\pm}$ )-boson and Z-boson production cross-sections in pp collisions at ( $\sqrt{s}=2.76$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
50	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at ( $\sqrt{s}$ ) = 13 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
49	Measurements of Single Event Upset in ATLAS IBL. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P06023-P06023		1
48	A search for an excited muon decaying to a muon and two jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2016</b> , 18, 073021	2.9	1
47	Real time tracker based upon local hit correlation circuit for silicon strip sensors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 806, 21-29	1.2	1
46	Data compression considerations for detectors with local intelligence. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C10011-C10011	1	1
45	Radiation-hard Active Pixel Sensors for HL-LHC Detector Upgrades based on HV-CMOS Technology. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C05064-C05064	1	1
44	Decision feedback equalization for radiation hard data link at 5 Gbps. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C01067-C01067	1	1
43	Neuromorphic Kalman filter implementation in IBM TrueNorth. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 898, 042021	0.3	1
42	Upgrades of the HL-LHC/ATLAS hybrid pixels detector: Test results of the first 3D-IC prototype <b>2013</b> ,		1
41	A Tezzaron-Chartered 3D-IC electronic for SLHC/ATLAS hybrid pixels detectors test results and irradiations performance <b>2011</b> ,		1
40	CDF run IIb silicon vertex detector DAQ upgrade. <i>IEEE Transactions on Nuclear Science</i> , <b>2004</b> , 51, 3047-3054		1
39	Search for production of ( $WW/WZ$ ) resonances decaying to a lepton, neutrino and jets in (pp) collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector <b>2015</b> , 75, 1		1
38	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ( $\sqrt{s}=8$ , TeV) with the ATLAS detector <b>2016</b> , 76, 1		1
37	Measurement of the W-boson mass in pp collisions at ( $\sqrt{s}=7$ , TeV) with the ATLAS detector <b>2018</b> , 78, 1		1
36	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ( $\sqrt{s}=13$ , TeV) <b>2018</b> , 78, 1		1
35	Search for top squarks in events with a Higgs or Z boson using 139 fb of pp collision data at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	1
34	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector <b>2018</b> , 2018, 1		1

33	Development of a Fast Cluster Finding self-seeded trigger demonstrator. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C12022-C12022	1	1
32	Measurement of differential cross sections for single diffractive dissociation in ( $\sqrt{s}$ ) = 8 TeV pp collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
31	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
30	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
29	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W^\pm$ and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
28	A search for the decays of stopped long-lived particles at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
27	Data encoding efficiency in pixel detector readout with charge information. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 815, 18-22	1.2	1
26	How silicon and boron dopants govern the cryogenic scintillation properties of N-type GaAs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2021</b> , 989, 164957	1.2	1
25	Measurement of single top-quark production in association with a W boson in the single-lepton channel at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
24	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
23	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
22	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
21	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
20	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	1
19	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
18	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
17	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 $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
16	Measurement of the $t\bar{t}$ production cross section in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0



15	Measurements of $W+W\bar{W}$ jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
14	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $(\sqrt{s}=13,\text{text \{TeV\}})$ . <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	○
13	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
12	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	○
11	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	○
10	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , <b>2022</b> , 6, 1	6	○
9	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau}$ events in Run 2 data. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	○
8	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
7	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
6	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
5	Measurement of b-quark fragmentation properties in jets using the decay $B^{\pm} \rightarrow J/\psi$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
4	Test results of the first 3D-IC prototype chip developed in the framework of HL-LHC/ATLAS hybrid pixel upgrade. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C02031-C02031	1	
3	Development of silicon and carbon foam low mass interposers. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, C07008-C07008		
2	The effect of dead-timeless silicon strip readout at CDF II. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2003</b> , 501, 197-200	1.2	
1	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	