

Stefano Giagu

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1,140
papers

38,396
citations

84
h-index

132
g-index

1,184
ext. papers

42,880
ext. citations

5.1
avg, IF

3.59
L-index

#	Paper	IF	Citations
1140	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
1139	Measurement of the J/ψ meson and b-hadron production cross sections in pp collisions at $\sqrt{s}=1960$ GeV. <i>Physical Review D</i> , 2005 , 71,	4.9	596
1138	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
1137	Observation of the narrow state $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in pp collisions at square root of $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 072001	7.4	469
1136	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518	4.2	276
1135	Observation of $B_s(0)$ - $B_s(0)$ oscillations. <i>Physical Review Letters</i> , 2006 , 97, 242003	7.4	274
1134	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
1133	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
1132	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2011 , 13, 053033	2.9	259
1131	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
1130	Evidence for a mass dependent forward-backward asymmetry in top quark pair production. <i>Physical Review D</i> , 2011 , 83,	4.9	219
1129	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7$ TeV) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
1128	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> , 2005 , 71,	4.9	217
1127	Evidence for a narrow near-threshold structure in the $J/\psi \varphi$ mass spectrum in $B_{\{+}\} \rightarrow J/\psi \varphi K_{\{+}\}$ decays. <i>Physical Review Letters</i> , 2009 , 102, 242002	7.4	211
1126	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
1125	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 299	4.2	202
1124	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199

1123	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 17	4.2	194
1122	FCC-ee: The Lepton Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 261-623	2.3	193
1121	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
1120	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 6	4.2	185
1119	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , 2017 , 77, 490	4.2	177
1118	Forward-backward asymmetry in top-quark production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 202001	7.4	177
1117	FCC Physics Opportunities. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	174
1116	Observation of electroweak single top-quark production. <i>Physical Review Letters</i> , 2009 , 103, 092002	7.4	174
1115	Measurements of inclusive W and Z cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, 2457-2544	2.9	174
1114	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. <i>Physical Review Letters</i> , 2018 , 121, 081301	7.4	169
1113	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
1112	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 3130	4.2	166
1111	Polarizations of J/ψ and $\psi(2S)$ mesons produced in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 132001	7.4	165
1110	Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ decays with 2 fb ⁻¹ of pp collisions. <i>Physical Review Letters</i> , 2008 , 100, 101802	7.4	164
1109	First flavor-tagged determination of bounds on mixing-induced CP violation in $B_s^0 \rightarrow J/\psi \phi$ decays. <i>Physical Review Letters</i> , 2008 , 100, 161802	7.4	161
1108	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	160
1107	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941	4.2	160
1106	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	160

1105	Search for new particles decaying into dijets in proton-antiproton collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	159
1104	Analysis of the quantum numbers $J(PC)$ of the $X(3872)$ particle. <i>Physical Review Letters</i> , 2007 , 98, 132002.	7.4	159
1103	Measurement with the ATLAS detector of multi-particle azimuthal correlations in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 60-78	4.2	153
1102	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
1101	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 45	4.2	152
1100	Flavor physics in the quark sector. <i>Physics Reports</i> , 2010 , 494, 197-414	27.7	150
1099	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 581	4.2	148
1098	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ($\sqrt{s_{NN}}$) = 2.76 TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	143
1097	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
1096	Measurement of the B_s^0 - B_s^0 oscillation frequency. <i>Physical Review Letters</i> , 2006 , 97, 062003	7.4	133
1095	Search for new high-mass phenomena in the dilepton final state using 36 fb $^{-1}$ of proton-proton collision data at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	126
1094	Observation of exclusive charmonium production and $\gamma\gamma \rightarrow \mu^+\mu^-$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 242001	7.4	126
1093	Measurement of prompt charm meson production cross sections in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2003 , 91, 241804	7.4	125
1092	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	124
1091	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at (\sqrt{s}) = 8TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	120
1090	Measurement of the inclusive jet cross section at the Fermilab Tevatron pp collider using a cone-based jet algorithm. <i>Physical Review D</i> , 2008 , 78,	4.9	119
1089	Search for dark matter in events with a hadronically decaying W or Z boson and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2014 , 112, 041802	7.4	117
1088	First measurement of the $t\bar{t}$ differential cross section $d\sigma/dM_{t\bar{t}}$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 222003	7.4	113

1087	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \bar{t}n$ (\overline{t}) events using pp collision data at ($\sqrt{s} = 7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
1086	Top quark mass measurement using the template method in the lepton+jets channel at CDF II. <i>Physical Review D</i> , 2006 , 73,	4.9	112
1085	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , 2015 , 75, 510	4.2	109
1084	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using ($\sqrt{s}=8$) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	108
1083	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> , 2014 , 74, 3109	4.2	107
1082	Search for heavy neutral and charged leptons in e^+e^- annihilation at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 75-85	4.2	106
1081	Invariant mass distribution of jet pairs produced in association with a W boson in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 171801	7.4	105
1080	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 476	4.2	104
1079	Search for doubly charged Higgs bosons in like-sign dilepton final states at ($\sqrt{s} = 7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
1078	Combination of Tevatron searches for the standard model Higgs boson in the $W+W^-$ decay mode. <i>Physical Review Letters</i> , 2010 , 104, 061802	7.4	104
1077	Combination of the top-quark mass measurements from the Tevatron collider. <i>Physical Review D</i> , 2012 , 86,	4.9	104
1076	Measurement of the dipion mass spectrum in decays. <i>Physical Review Letters</i> , 2006 , 96, 102002	7.4	104
1075	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103
1074	Search for charged Higgs bosons from top quark decays in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 042003	7.4	101
1073	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	101
1072	Search for dark matter candidates and large extra dimensions in events with a photon and missing transverse momentum in pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 110, 011802	7.4	99
1071	First measurements of inclusive W and Z cross sections from run II of the fermilab tevatron collider. <i>Physical Review Letters</i> , 2005 , 94, 091803	7.4	97
1070	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. <i>Physical Review D</i> , 2013 , 87,	4.9	96

1069	Observation of the baryonic flavor-changing neutral current decay $B(0) \rightarrow \mu\mu$. <i>Physical Review Letters</i> , 2011 , 107, 201802	7.4	95
1068	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 349	4.2	94
1067	Observation of the Heavy Baryons Sigma b and Sigma b*. <i>Physical Review Letters</i> , 2007 , 99, 202001	7.4	93
1066	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	92
1065	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	91
1064	Evidence for D0-D(0) mixing using the CDF II detector. <i>Physical Review Letters</i> , 2008 , 100, 121802	7.4	91
1063	Observation of the decay $B_{c+/-} \rightarrow J/\psi \pi_{i+/-}$ and measurement of the $B_{c+/-}$ mass. <i>Physical Review Letters</i> , 2008 , 100, 182002	7.4	90
1062	Measurements of the angular distributions in the decays $B \rightarrow K^{(*)} \ell^+ \ell^-$ at CDF. <i>Physical Review Letters</i> , 2012 , 108, 081807	7.4	89
1061	Measurement of the inclusive jet cross section using the kT algorithm in pp collisions at $s=1.96$ TeV with the CDF II detector. <i>Physical Review D</i> , 2007 , 75,	4.9	89
1060	Search for doubly charged Higgs bosons decaying to dileptons in pp collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 221802	7.4	88
1059	Search for charged Higgs bosons in decays of top quarks in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 101803	7.4	87
1058	DarkSide-50 532-day dark matter search with low-radioactivity argon. <i>Physical Review D</i> , 2018 , 98,	4.9	86
1057	Constraints on Sub-GeV Dark-Matter-Electron Scattering from the DarkSide-50 Experiment. <i>Physical Review Letters</i> , 2018 , 121, 111303	7.4	85
1056	Single- and multi-photon events with missing energy in $e+e^-$ collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 587, 16-32	4.2	84
1055	Search for high-mass resonances decaying to dimuons at CDF. <i>Physical Review Letters</i> , 2009 , 102, 091805	7.4	83
1054	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4.2	82
1053	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	7.4	82
1052	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb of pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	81

1051	Observation and mass measurement of the baryon Λ_b^- . <i>Physical Review Letters</i> , 2007 , 99, 052002	7.4	80
1050	Search for scalar leptons and scalar quarks at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 580, 37-49	4.2	80
1049	Measurement of the Z/ τ boson transverse momentum distribution in pp collisions at (\sqrt{s})=7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79
1048	Measurement of the atmospheric muon spectrum from 20 to 3000 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 598, 15-32	4.2	79
1047	Studies of hadronic event structure in e+e- annihilation from 30 to 209GeV with the L3 detector. <i>Physics Reports</i> , 2004 , 399, 71-174	27.7	79
1046	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78
1045	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
1044	Measurement of bottom-quark hadron masses in exclusive J/psi decays with the CDF detector. <i>Physical Review Letters</i> , 2006 , 96, 202001	7.4	78
1043	Observation of a new $\chi(b)$ state in radiative transitions to $\chi(1S)$ and $\chi(2S)$ at ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 152001	7.4	77
1042	Measurement of the difference in CP-violating asymmetries in $D(0) \rightarrow K(+)K(-)$ and $D(0) \rightarrow \tau(+) \tau(-)$ decays at CDF. <i>Physical Review Letters</i> , 2012 , 109, 111801	7.4	77
1041	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in (\sqrt{s}) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	76
1040	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465	4.2	76
1039	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	74
1038	Precise measurement of the W-boson mass with the CDF II detector. <i>Physical Review Letters</i> , 2012 , 108, 151803	7.4	74
1037	Observation of single top quark production and measurement of $ V_{tb} $ with CDF. <i>Physical Review D</i> , 2010 , 82,	4.9	74
1036	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 209	4.2	73
1035	Higgs boson studies at the Tevatron. <i>Physical Review D</i> , 2013 , 88,	4.9	73
1034	Measurement of $\Upsilon(958)$ formation in two-photon collisions at LEP1. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 418, 399-410	4.2	73

1033	Observation of orbitally excited B(s) mesons. <i>Physical Review Letters</i> , 2008 , 100, 082001	7.4	73
1032	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	72
1031	Search for large extra dimensions in final states containing one photon or jet and large missing transverse energy produced in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 181602	7.4	72
1030	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2509	4.2	71
1029	Precision measurement of the X(3872) mass in J/psi pi(+) pi(-) decays. <i>Physical Review Letters</i> , 2009 , 103, 152001	7.4	71
1028	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ mbox{~TeV}). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
1027	Search for new bottomlike quark pair decays $QQ \rightarrow (tW(+)(-))(tW(+)(-))$ in same-charge dilepton events. <i>Physical Review Letters</i> , 2010 , 104, 091801	7.4	70
1026	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821	4.2	70
1025	Evidence for the exclusive decay $B(c)^+ \rightarrow J/\psi \pi^+$ and measurement of the mass of the $B(c)^+$ meson. <i>Physical Review Letters</i> , 2006 , 96, 082002	7.4	69
1024	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 5	4.2	68
1023	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using lepton+jets events with jet probability b-tagging. <i>Physical Review D</i> , 2006 , 74,	4.9	68
1022	Higgs candidates in $e+e$ interactions at \sqrt{s} GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 495, 18-25	4.2	68
1021	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	67
1020	Jet mass and substructure of inclusive jets in ($\sqrt{s} = 7$; {text{TeV}}) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67
1019	Direct measurement of the W production charge asymmetry in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 181801	7.4	67
1018	Observation of exclusive electron-positron production in hadron-hadron collisions. <i>Physical Review Letters</i> , 2007 , 98, 112001	7.4	67
1017	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 412	4.2	66
1016	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-39	5.4	66

1015	Measurement of the B_c^+ meson lifetime using the decay mode $B_c^+ \rightarrow J/\psi e^+ \nu_e$. <i>Physical Review Letters</i> , 2006 , 97, 012002	7.4	66
1014	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 903	4.2	66
1013	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	65
1012	Search for new physics in high-mass electron-positron events in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 171802	7.4	65
1011	Search for the (\overline{b}) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	64
1010	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at ($\sqrt{s}=8$) TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	64
1009	Search for $B(s)(0) \rightarrow \mu^+ \mu^-$ and $B(0) \rightarrow \mu^+ \mu^-$ decays with CDF II. <i>Physical Review Letters</i> , 2011 , 107, 191801	7.4	64
1008	Inclusive search for squark and gluino production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 121801	7.4	64
1007	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 291	4.2	63
1006	Search for dark matter in events with one jet and missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 211804	7.4	63
1005	Measurement of σ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 692, 232-239	4.2	63
1004	Search for $Z' \rightarrow e^+ e^-$ using dielectron mass and angular distribution. <i>Physical Review Letters</i> , 2006 , 96, 211801	7.4	63
1003	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69	4.2	62
1002	Observation of exclusive dijet production at the Fermilab Tevatron $p\bar{p}$ collider. <i>Physical Review D</i> , 2008 , 77,	4.9	62
1001	Underlying event in hard interactions at the Fermilab Tevatron $p\bar{p}$ collider. <i>Physical Review D</i> , 2004 , 70,	4.9	62
1000	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017 , 77, 195	4.2	61
999	Search for neutral Higgs bosons of the minimal supersymmetric standard model decaying to tau pairs in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 011802	7.4	61
998	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> , 2005 , 71,	4.9	61

997	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 92	4.2	60
996	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $(\sqrt{s}) = 7$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	60
995	Measurement of inclusive jet cross sections in $Z/\gamma^*(\rightarrow e^+e^-) + \text{jets}$ production in pp[over] collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 102001	7.4	60
994	Search for doubly-charged Higgs bosons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 576, 18-28	4.2	60
993	Measurement of the τ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
992	Measurement of the cross section for W-boson production in association with jets in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	59
991	Measurement of the $t\bar{t}$ production cross section in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 082004	7.4	59
990	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	59
989	Measurement of the $W \rightarrow \tau\nu$ and $Z/\gamma^* \rightarrow \tau\bar{\tau}$ production cross sections in proton-proton collisions at $(\sqrt{s} = 7;\text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
988	Study of jet shapes in inclusive jet production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	58
987	A search for (\overline{t}) resonances using lepton-plus-jets events in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	57
986	Measurement of CP-violating asymmetries in $D^0 \rightarrow \mu^+\mu^-$ and $D^0 \rightarrow K^+K^-$ decays at CDF. <i>Physical Review D</i> , 2012 , 85,	4.9	57
985	Search for $B^0_s \rightarrow \mu^+\mu^-$ and $B^0_d \rightarrow \mu^+\mu^-$ decays in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 032001	7.4	57
984	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu$ in fully hadronic final states using pp collision data at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	56
983	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 335	4.2	56
982	Precision measurement and interpretation of inclusive τ , and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4.2	56
981	Search for long-lived massive charged particles in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2009 , 103, 021802	7.4	56
980	Measurement of τ and a new limit for τ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 396, 327-337	4.2	56

979	Search for exclusive $\gamma\gamma$ production in Hadron-Hadron collisions. <i>Physical Review Letters</i> , 2007 , 99, 242002	7-4	56
978	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 199	4-2	55
977	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	55
976	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> , 2013 , 73, 1	4-2	55
975	Summary of the searches for squarks and gluinos using ($\sqrt{s}=8$) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	55
974	Measurement of the W^+W^- production cross section and search for anomalous $WW\gamma$ and WWZ couplings in pp collisions at square root(s)=1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 201801	7-4	55
973	Search for high-mass e^+e^- resonances in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 031801	7-4	55
972	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using dilepton events. <i>Physical Review Letters</i> , 2004 , 93, 142001	7-4	55
971	Search for single top production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 549, 290-300	4-2	55
970	Measurements of the $t\bar{t}$ production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82	4-2	54
969	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	54
968	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in ($\sqrt{s} = 8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	54
967	Measurement of $W\gamma Z$ production in proton-proton collisions at ($\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	54
966	Measurement of the ratio $\sigma(t\bar{t})/\sigma(Z/\gamma^* \rightarrow ll)$ and precise extraction of the $t\bar{t}$ cross section. <i>Physical Review Letters</i> , 2010 , 105, 012001	7-4	54
965	Search for exclusive Z-boson production and observation of high-mass $pp \rightarrow p\gamma\gamma p$ events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 222002	7-4	54
964	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 392	4-2	53
963	Search for new phenomena in events with at least three photons collected in collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 210	4-2	53
962	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	53

961	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s}=7\text{TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	53
960	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , 2016 , 76, 666	4.2	53
959	Search for direct top-squark pair production in final states with two leptons in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	52
958	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 70	4.2	52
957	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 393	4.2	52
956	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3157	4.2	52
955	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
954	Search for supersymmetry in pp collisions at $\sqrt{s}=1.96$ TeV Using the trilepton signature for chargino-neutralino production. <i>Physical Review Letters</i> , 2008 , 101, 251801	7.4	52
953	Search for heavy isosinglet neutrino in e^+e^- annihilation at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 67-74	4.2	52
952	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120	4.2	51
951	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	51
950	Search for top-quark production via flavor-changing neutral currents in $W+1$ jet events at CDF. <i>Physical Review Letters</i> , 2009 , 102, 151801	7.4	51
949	Measurement of inclusive production of neutral hadrons from Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 328, 223-233	4.2	51
948	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020 , 47, 090501	2.9	51
947	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	50
946	Evidence for the ($H \rightarrow \overline{b}b$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
945	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 208	4.2	50
944	Search for the production of narrow $t\overline{b}$ resonances in 1.9fb^{-1} of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 041801	7.4	50

943	Search for heavy bottomlike quarks decaying to an electron or muon and jets in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 141803	7.4	50
942	Search for the flavor-changing neutral-current decay $t \rightarrow Zq$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 192002	7.4	50
941	Observation of $B(s)0 \rightarrow K^+ K^-$ and measurements of branching fractions of charmless two-body decays of $B0$ and $B(s)0$ mesons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 211802	7.4	50
940	Measurement of the lifetime difference between B_s mass eigenstates. <i>Physical Review Letters</i> , 2005 , 94, 101803	7.4	50
939	Measurement of cross sections and leptonic forward-backward asymmetries at the Z pole and determination of electroweak parameters. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 62, 551-573		50
938	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2015 , 75, 303	4.2	49
937	Measurement of charged-particle spectra in Pb+Pb collisions at ($\sqrt{s_{\text{NN}}} = 2.76$) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	49
936	Search for high-mass resonances decaying to dilepton final states in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	49
935	Measurement of the anomalous magnetic and electric dipole moments of the tau lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 169-179	4.2	49
934	Search for charginos and neutralinos in e^+e^- collisions at $\sqrt{s} = 189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 472, 420-433	4.2	49
933	Search for resonances in diphoton events at ($\sqrt{s} = 13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	49
932	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 995	4.2	49
931	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 538	4.2	48
930	Search for supersymmetry at $\sqrt{s} = 7$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 259	4.2	48
929	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 428	4.2	48
928	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb ⁻¹ of ($\sqrt{s} = 7$;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	48
927	Search for a light Higgs boson decaying to long-lived weakly interacting particles in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 251801	7.4	48
926	Search for manifestations of new physics in fermion-pair production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 489, 81-92	4.2	48

925	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	48
924	Measurement of the prompt $[\text{Formula: see text}]$ pair production cross-section in collisions at $[\text{Formula: see text}]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 76	4-2	47
923	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 24	4-2	47
922	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	47
921	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. <i>Physical Review D</i> , 2014 , 89,	4-9	47
920	Measurement of $\sigma(\chi_{c2} \rightarrow J/\psi \gamma) / \sigma(\chi_{c1} \rightarrow J/\psi \gamma)$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 232001	7-4	47
919	Search for a new resonance decaying to a or boson and a Higgs boson in the $[\text{Formula: see text}]$ final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 263	4-2	46
918	Light-quark and gluon jet discrimination in $[\text{Formula: see text}]$ collisions at $[\text{Formula: see text}]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3023	4-2	46
917	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> , 2015 , 2015, 1	5-4	46
916	Measurement of branching ratio and B_{s0} lifetime in the decay $B_{s0} \rightarrow J/\psi \phi(980)$ at CDF. <i>Physical Review D</i> , 2011 , 84,	4-9	46
915	Search for new phenomena in tt events with large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 041805	7-4	46
914	Measurement of the bottom-strange meson mixing phase in the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 171802	7-4	46
913	Search for long-lived charged massive particles in pp collisions at square root $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2003 , 90, 131801	7-4	46
912	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ($\sqrt{s}=8$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	45
911	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	45
910	Measurement of ZZ production in pp collisions at ($\sqrt{s}=7$) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	45
909	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $[\text{Formula: see text}]$ TeV in 2010. <i>European Physical Journal C</i> , 2014 , 74, 3034	4-2	45
908	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ($\sqrt{s}=7$; TeV) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	45

907	Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron. <i>Physical Review D</i> , 2010 , 82,	4.9	45
906	Measurement of the B+ production cross section in pp collisions at $\sqrt{s}=1960$ GeV. <i>Physical Review D</i> , 2007 , 75,	4.9	45
905	Search for low scale gravity effects in e+e collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 464, 135-144	4.2	45
904	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> , 2015 , 75, 318	4.2	44
903	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 154	4.2	44
902	Measurement of isolated-photon pair production in pp collisions at ($\sqrt{s}=7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	44
901	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7$ mbox{TeV}). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	44
900	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	44
899	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s}=900$ GeV and 7 TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	44
898	Global search for new physics with 2.0 fb at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9	44
897	First run II measurement of the W boson mass at the Fermilab Tevatron. <i>Physical Review D</i> , 2008 , 77,	4.9	44
896	Measurement of the single-top-quark production cross section at CDF. <i>Physical Review Letters</i> , 2008 , 101, 252001	7.4	44
895	Measurement of the forward-backward charge asymmetry of electron-positron pairs in p-p collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	44
894	Standard model Higgs boson with the L3 experiment at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 319-331	4.2	44
893	Search for neutral Higgs boson production through the process e+e → Z* H0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 385, 454-470	4.2	44
892	Angular analysis of B 0 d → K*π decays in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	44
891	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> , 2013 , 2013, 1	5.4	43
890	Measurement of the cross section for top-quark pair production in pp collisions at ($\sqrt{s} = \{7\},\{text{TeV}\}$) with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43

889	Measurement of particle production and inclusive differential cross sections in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	43
888	Study of the hadronic photon structure function F_2 at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 436, 403-416	4.2	43
887	$f_1(1285)$ formation in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 269-277	4.2	43
886	Search for neutralinos in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 350, 109-119	4.2	43
885	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> , 2019 , 79, 1	4.2	43
884	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4.2	42
883	Measurement of the differential cross-sections of prompt and non-prompt production of $[Formula: see text]$ and $[Formula: see text]$ in collisions at $[Formula: see text]$ and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 283	4.2	42
882	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> , 2012 , 72, 2046	4.2	42
881	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 [Interpreted in the phenomenological MSSM]. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	42
880	Measurements of the properties of $\Lambda(2595)$, $\Lambda(2625)$, $\Lambda(2455)$, and $\Lambda(2520)$ baryons. <i>Physical Review D</i> , 2011 , 84,	4.9	42
879	Measurement of tt -spin correlation in pp collisions using the CDF II detector at the Tevatron. <i>Physical Review D</i> , 2011 , 83,	4.9	42
878	Search for doubly charged Higgs bosons with lepton-flavor-violating decays involving tau leptons. <i>Physical Review Letters</i> , 2008 , 101, 121801	7.4	42
877	Measurement of triple-gauge-boson couplings of the W boson at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 586, 151-166	4.2	42
876	Search for heavy resonances in the Λ and Σ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4.2	41
875	Search for direct top squark pair production in events with a $[Formula: see text]$ boson, $[Formula: see text]$ -jets and missing transverse momentum in $[Formula: see text]$ TeV $[Formula: see text]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2883	4.2	41
874	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	41
873	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $(\sqrt{s}=7\sim m_{\text{box}}\{\text{TeV}\})$ proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41
872	Observation of the Λ_b baryon and measurement of the properties of the Λ_b and Λ_b baryons. <i>Physical Review D</i> , 2009 , 80,	4.9	41

871	Measurements of direct CP violating asymmetries in charmless decays of strange bottom mesons and bottom baryons. <i>Physical Review Letters</i> , 2011 , 106, 181802	7.4	4 ¹
870	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 723-753	4.2	4 ¹
869	Search for large extra dimensions in the production of jets and missing transverse energy in pp collisions at square root of s = 1.96 TeV. <i>Physical Review Letters</i> , 2006 , 97, 171802	7.4	4 ¹
868	Search for extra dimensions in boson and fermion pair production in e+e ⁻ interactions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 470, 281-288	4.2	4 ¹
867	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at (sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	4 ⁰
866	Observation of s-channel production of single top quarks at the Tevatron. <i>Physical Review Letters</i> , 2014 , 112, 231803	7.4	4 ⁰
865	Study of orbitally excited B mesons and evidence for a new B _s resonance. <i>Physical Review D</i> , 2014 , 90,	4.9	4 ⁰
864	Observation of new charmless decays of bottom hadrons. <i>Physical Review Letters</i> , 2009 , 103, 031801	7.4	4 ⁰
863	Search for anomalous Z → l+l events at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 609-616	4.2	4 ⁰
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861	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 199	4.2	3 ⁹
860	Search for supersymmetry at (sqrt{s}) = 8 TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	3 ⁹
859	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> , 2012 , 2012, 1	5.4	3 ⁹
858	Combination of CDF and D0 W-Boson mass measurements. <i>Physical Review D</i> , 2013 , 88,	4.9	3 ⁹
857	Cross section of hadron production in l+l collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 408, 450-464	4.2	3 ⁹
856	Inclusive search for new physics with like-sign dilepton events in pp collisions at square root of s = 1.96 TeV. <i>Physical Review Letters</i> , 2007 , 98, 221803	7.4	3 ⁹
855	Search for new high-mass particles decaying to Lepton pairs in pp collisions at square root s = 1.96 TeV. <i>Physical Review Letters</i> , 2005 , 95, 252001	7.4	3 ⁹
854	Measurement of the cross-section for the process e ⁺ e ⁻ → hadrons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 453, 333-342	4.2	3 ⁹

853	Search for charged Higgs bosons decaying into top and bottom quarks at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	39
852	Performance of algorithms that reconstruct missing transverse momentum in [Formula: see text]=8 TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 241	4-2	38
851	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 229	4-2	38
850	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	38
849	Measurement of the top-quark mass with dilepton events selected using neuroevolution at CDF. <i>Physical Review Letters</i> , 2009 , 102, 152001	7-4	38
848	First measurement of the angular coefficients of Drell-Yan $e^{+}e^{-}$ pairs in the Z mass region from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 241801	7-4	38
847	Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at the collider detector at Fermilab. <i>Physical Review Letters</i> , 2005 , 95, 102002	7-4	38
846	Search for new physics using high-mass tau pairs from 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2005 , 95, 131801	7-4	38
845	Light resonances in $K^0\bar{K}^0$ and $\pi^+\pi^-$ final states in e^+e^- collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 501, 1-11	4-2	38
844	$K^0\bar{K}^0$ final state in two-photon collisions and implications for glueballs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 501, 173-182	4-2	38
843	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ($\sqrt{s} = 13$) (text {TeV}). <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	37
842	Measurement of the production of a W boson in association with a charm quark in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	37
841	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	37
840	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> , 2012 , 2012, 1	5-4	37
839	Limits on the production of the standard model Higgs boson in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4-2	37
838	Search for massive colored scalars in four-jet final states in ($\sqrt{s}=7\sim\text{TeV}$) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4-2	37
837	Production of (\bar{D}_s) mesons in pp collisions at 1.96 TeV. <i>Physical Review D</i> , 2009 , 80,	4-9	37
836	Measurement of the forward-backward asymmetry in the $B \rightarrow K^*(\bar{D})D$ decay and first observation of the $B(s)0 \rightarrow \bar{D}D$ decay. <i>Physical Review Letters</i> , 2011 , 106, 161801	7-4	37

835	Measurements of the angular distributions of muons from $t\bar{t}$ decays in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 151802	7.4	37
834	Search for resonant $t\bar{t}$ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 231801	7.4	37
833	Measurement of the top quark mass using template methods on dilepton events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	37
832	Direct search for Dirac magnetic monopoles in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 201801	7.4	37
831	First measurement of the W-boson mass in run II of the Tevatron. <i>Physical Review Letters</i> , 2007 , 99, 151801	7.4	37
830	Search for charged Higgs bosons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 575, 208-220	4.2	37
829	Charged-particle distributions at low transverse momentum in [Formula: see text]TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 502	4.2	37
828	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	36
827	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	36
826	Precision top-quark mass measurement at CDF. <i>Physical Review Letters</i> , 2012 , 109, 152003	7.4	36
825	Measurement of Lifetime and Decay-Width Difference in $B_{s;0} \rightarrow J/\psi\varphi$ Decays. <i>Physical Review Letters</i> , 2008 , 100, 121803	7.4	36
824	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> , 2005 , 94, 122001	7.4	36
823	Single and multi-photon events with missing energy in e^+e^- collisions at $s= 189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 470, 268-280	4.2	36
822	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 142	4.2	35
821	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 171	4.2	35
820	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 322	4.2	35
819	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 379	4.2	35
818	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7\sim\text{TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35

817	Inclusive search for standard model Higgs boson production in the WW decay channel using the CDF II detector. <i>Physical Review Letters</i> , 2010 , 104, 061803	7-4	35
816	First search for multijet resonances in $\sqrt{s} = 1.96$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 107, 042001	7-4	35
815	Search for branons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 597, 145-154	4-2	35
814	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	34
813	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> , 2012 , 72, 1	4-2	34
812	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> , 2012 , 2012, 1	5-4	34
811	Top quark mass measurement in the lepton + jets channel using a matrix element method and in situ jet energy calibration. <i>Physical Review Letters</i> , 2010 , 105, 252001	7-4	34
810	Publisher's Note: Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ Decays with CDF II [Phys. Rev. Lett. 107, 191801 (2011)]. <i>Physical Review Letters</i> , 2011 , 107,	7-4	34
809	Limits on the production of narrow tt resonances in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4-9	34
808	Measurement of the cross section for tt production in pp collisions using the kinematics of lepton+jets events. <i>Physical Review D</i> , 2005 , 72,	4-9	34
807	Total cross section in e^+e^- collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 519, 33-45	4-2	34
806	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 565	4-2	34
805	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , 2017 , 77, 673	4-2	33
804	Search for Higgs bosons predicted in two-Higgs-doublet models via decays to tau lepton pairs in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2009 , 103, 201801	7-4	33
803	Measurement of the inclusive jet cross section using the kT algorithm in pp collisions at ($\sqrt{s}=1.96$ TeV). <i>Physical Review Letters</i> , 2006 , 96, 122001	7-4	33
802	Observation of WZ production. <i>Physical Review Letters</i> , 2007 , 98, 161801	7-4	33
801	Search for R-parity violating decays of supersymmetric particles in e^+e^- collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 524, 65-80	4-2	33
800	Search for [corrected] $B^0(s) \rightarrow \mu^+ \mu^-$ and $B^0(d)$ [corrected] $\rightarrow \mu^+ \mu^-$ decays in pp collisions with CDF II. <i>Physical Review Letters</i> , 2005 , 95, 221805	7-4	33

799	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> , 2005 , 95, 022003	7-4	33
798	Measurement of an elongation of the pion source in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 458, 517-528	4-2	33
797	Search for charged Higgs bosons in the $H \rightarrow tb$ decay channel in pp collisions at ($\sqrt{s}=8$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	33
796	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb of ($\sqrt{s}=13$) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	33
795	Search for charged Higgs bosons decaying via $H \rightarrow \tau\tau$ in the τ jets and τ lepton final states with 36 fb of pp collision data recorded at ($\sqrt{s}=13$) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	33
794	Measurement of the top quark mass in the [Formula: see text] and [Formula: see text] channels using [Formula: see text][Formula: see text] ATLAS data. <i>European Physical Journal C</i> , 2015 , 75, 330	4-2	32
793	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 18	4-2	32
792	Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2015 , 115, 131801	7-4	32
791	Measurement of the CP-violating phase $\arg(V_{cb}V_{cs}^*)$ in $B_s^0 \rightarrow J/\psi$ decays with the CDF II detector. <i>Physical Review D</i> , 2012 , 85,	4-9	32
790	First measurement of the b-jet cross section in events with a W boson in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 131801	7-4	32
789	Measurement of resonance parameters of orbitally excited narrow B0 mesons. <i>Physical Review Letters</i> , 2009 , 102, 102003	7-4	32
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787	Measurement of the inclusive charmless semileptonic branching fraction of beauty hadrons and a determination of $ V_{ub} $ at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 436, 174-186	4-2	32
786	First measurement of W boson production in association with a single Charm quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 091803	7-4	32
785	Search for electroweak single-top-quark production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4-9	32
784	Study of the $W+W$ process and limits on anomalous quartic gauge boson couplings at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 527, 29-38	4-2	32
783	Search for pair production of Higgs bosons in the ($\overline{b}b$) final state using proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	31
782	Constraints on mediator-based dark matter and scalar dark energy models using (\sqrt{s}) = 13 TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	31

781	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> , 2012 , 72, 1	4.2	3 ¹
780	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> , 2015 , 2015, 1	5.4	3 ¹
779	Measurement of the production and lepton charge asymmetry of [Formula: see text] bosons in Pb+Pb collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 23	4.2	3 ¹
778	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3134	4.2	3 ¹
777	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at ($\sqrt{s} = 8$) TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	3 ¹
776	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ($\sqrt{s}=7$ TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	3 ¹
775	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ($\sqrt{s}=7$ TeV) proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	3 ¹
774	Inclusive search for same-sign dilepton signatures in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	3 ¹
773	Search for supersymmetry with gauge-mediated breaking in diphoton events with missing transverse energy at CDF II. <i>Physical Review Letters</i> , 2010 , 104, 011801	7.4	3 ¹
772	Search for the decays $B_{(s)} \rightarrow e \mu$ and $B_{(s)} \rightarrow e e$ in CDF run II. <i>Physical Review Letters</i> , 2009 , 102, 201801	7.4	3 ¹
771	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> , 2005 , 72,	4.9	3 ¹
770	Determination of β_s from hadronic event shapes in e^+e^- annihilation at $\sqrt{s}=208$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 536, 217-228	4.2	3 ¹
769	Evidence for $B_0 \rightarrow \phi \mu \mu$ decay and measurements of branching ratio and $A(\text{CP})$ for $B^+ \rightarrow \phi K^+$. <i>Physical Review Letters</i> , 2005 , 95, 031801	7.4	3 ¹
768	Search for lepton flavour violation in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 316, 427-434	4.2	3 ¹
767	Measurements of b-jet tagging efficiency with the ATLAS detector using (\overline{t}) events at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3 ¹
766	Search for third generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	3 ⁰
765	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3 ⁰
764	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at ($\sqrt{s}=8$) TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	3 ⁰

763	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
762	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> , 2011 , 71, 1	4.2	30
761	Measurement of W-boson polarization in Top-Quark Decay in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 042002	7.4	30
760	Search for a standard model Higgs boson in $WH \rightarrow l\nu b\bar{b}$ in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 101802	7.4	30
759	Observation of exclusive \bar{b} production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 081801	7.4	30
758	Model-independent and quasi-model-independent search for new physics at CDF. <i>Physical Review D</i> , 2008 , 78,	4.9	30
757	Search for heavy top-like quarks using lepton plus jets events in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2008 , 100, 161803	7.4	30
756	Precision top-quark mass measurement in the lepton+jets topology in p p collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 022004	7.4	30
755	Measurement of the inclusive jet cross section in pp interactions at $s=1.96$ TeV using a cone-based jet algorithm. <i>Physical Review D</i> , 2006 , 74,	4.9	30
754	Measurement of $W\gamma$ and $Z\gamma$ production in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 041803	7.4	30
753	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
752	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	29
751	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
750	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 332	4.2	29
749	Search for pair production of heavy vector-like quarks decaying to high- p_T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	29
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747	Measurement of the leptonic asymmetry in $t\bar{t}$ events produced in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	29
746	The Q2 evolution of the hadronic photon structure function F_2^{γ} at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 447, 147-156	4.2	29

745	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 466	4.2	28
744	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 250	4.2	28
743	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 295	4.2	28
742	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 55	4.2	28
741	Measurement of the top pair production cross section in the dilepton decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	28
740	Search for a heavy toplike quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 261801	7.4	28
739	Strong evidence for ZZ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 201801	7.4	28
738	Search for high-mass resonances decaying to emu in pp collisions at square root = 1.69 TeV. <i>Physical Review Letters</i> , 2006 , 96, 211802	7.4	28
737	Search for new particles leading to Z+jets final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	28
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735	A Time-of-Flight detector in CDF-II. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 518, 605-608	1.2	28
734	Measurement of energetic single-photon production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 346, 190-198	4.2	28
733	A measurement of polarization at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 341, 245-256	4.2	28
732	Search for minimal supersymmetric standard model Higgs Bosons H^\pm and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 585	4.2	28
731	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> , 2018 , 2018, 1	5.4	28
730	Fiducial, total and differential cross-section measurements of γ -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 531	4.2	27
729	Observation of the Y (4140) structure in the J/ψ mass spectrum in $B_{\text{c}} \rightarrow J/\psi K_{\text{c}}$ decays. <i>Modern Physics Letters A</i> , 2017 , 32, 1750139	1.3	27
728	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	27

727	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
726	Direct measurement of the total decay width of the top quark. <i>Physical Review Letters</i> , 2013 , 111, 202001.4	4.4	27
725	Search for pair production of supersymmetric top quarks in dilepton events from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 104, 251801	7.4	27
724	Searches for direct pair production of supersymmetric top and supersymmetric bottom quarks in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	27
723	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. <i>Physical Review D</i> , 2005 , 71,	4.9	27
722	Measurement of the cross section of W-boson pair production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 600, 22-40	4.2	27
721	Search for long-lived doubly charged Higgs bosons in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 95, 071801	7.4	27
720	Study of the rare decays of [Formula: see text] and [Formula: see text] into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 513	4.2	27
719	Search for the Exotic Meson X(5568) with the Collider Detector at Fermilab. <i>Physical Review Letters</i> , 2018 , 120, 202006	7.4	27
718	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	26
717	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	26
716	Measurement of τ_1 and τ_2 production with (\sqrt{s}) = 7 TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
715	Measurements of the production cross section of a [Formula: see text] boson in association with jets in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 361	4.2	26
714	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	26
713	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
712	Search for WW and WZ resonances decaying to electron, missing E(T), and two jets in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 241801	7.4	26
711	Measurement of cross sections for b jet production in events with a Z boson in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	26
710	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $s=1.96$ TeV using the CDF detector. <i>Physical Review D</i> , 2009 , 80,	4.9	26

709	Search for high mass resonances decaying to muon pairs in $\sqrt{s}=1.96$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 106, 121801	7.4	26
708	Measurement of ratios of fragmentation fractions for bottom hadrons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	26
707	Precision measurement of the top-quark mass from dilepton events at CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	26
706	Measurement of exclusive $\tau\tau$ production in two-photon collisions at high Q^2 at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 568, 11-22	4.2	26
705	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 658	4.2	26
704	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P03017-P03017	1	25
703	Multi-channel search for squarks and gluinos in $[Formula: see text]$ collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2362	4.2	25
702	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\tau$ decay channel in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
701	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> , 2015 , 75, 165	4.2	25
700	Search for pair production of strongly interacting particles decaying to pairs of jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 031802	7.4	25
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698	Search for the standard model Higgs boson decaying to a bb pair in events with two oppositely charged leptons using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111803	7.4	25
697	Search for the standard model Higgs boson decaying to a bb pair in events with one charged lepton and large missing transverse energy using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111804	7.4	25
696	First simultaneous measurement of the top quark mass in the lepton+jets and dilepton channels at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9	25
695	Measurements of bottom-antibottom azimuthal production correlations in proton-antiproton collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	25
694	Search for excited and exotic electrons in the $e\gamma$ decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 101802	7.4	25
693	Tests of QED at LEP energies using $e^+e^- \rightarrow \tau^+\tau^-$ and $e^+e^- \rightarrow \mu^+\mu^-$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 353, 136-144	4.2	25
692	Measurement of hadron and lepton-pair production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 370, 195-210	4.2	25

691	Search for supersymmetric particles at 130 GeV Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996 , 377, 289-303	4.2	25
690	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 547	4.2	25
689	Measurement of the inclusive isolated prompt photon cross section in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25
688	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	24
687	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at (\sqrt{s}) = 7 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	24
686	Measurement of the production cross section of prompt J/ψ mesons in association with a W boson in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	24
685	Measurement of the differential cross-section of B^+ meson production in pp collisions at ($\sqrt{s}=7$) TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	24
684	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> , 2012 , 72, 1	4.2	24
683	Evidence for a bottom baryon resonance Λ_b^0 in CDF data. <i>Physical Review D</i> , 2013 , 88,	4.9	24
682	Measurement of the Λ_b^0 lifetime in $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ decays in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 104, 102002	7.4	24
681	Search for a fermiophobic Higgs boson decaying into diphotons in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 061803	7.4	24
680	Measurement of polarization and search for CP violation in $B(s)0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2011 , 107, 261802	7.4	24
679	Limits on anomalous trilinear gauge couplings in $Z \rightarrow e^+ e^-$ events from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 051802	7.4	24
678	Observation of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2011 , 107, 102001	7.4	24
677	Measurement of the mass difference between t and \bar{t} quarks. <i>Physical Review Letters</i> , 2011 , 106, 152001	7.4	24
676	Transverse momentum cross section of $e^+ e^-$ pairs in the Z-boson region from pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	24
675	Measurement of the WZ cross section and triple gauge couplings in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	24
674	Measurement of the helicity fractions of W bosons from top quark decays using fully reconstructed $t\bar{t}$ events with CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	24

673	Measurement of the top-quark mass in all-hadronic decays in pp collisions at CDF II. <i>Physical Review Letters</i> , 2007 , 98, 142001	7.4	24
672	Precise measurement of the top-quark mass in the lepton+jets topology at CDF II. <i>Physical Review Letters</i> , 2007 , 99, 182002	7.4	24
671	Search for first-generation scalar leptoquarks in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2005 , 72,	4.9	24
670	Optimized search for single-top-quark production at the Fermilab Tevatron. <i>Physical Review D</i> , 2004 , 69,	4.9	24
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668	Measurement of the inclusive $b \rightarrow X$ branching ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 332, 201-208	4.2	24
667	Search for single production of vector-like quarks decaying into in collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 442	4.2	24
666	Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. <i>Journal of Instrumentation</i> , 2017 , 12, P10015-P10015	1	23
665	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 154	4.2	23
664	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	23
663	Tevatron Combination of Single-Top-Quark Cross Sections and Determination of the Magnitude of the Cabibbo-Kobayashi-Maskawa Matrix Element V_{tb} . <i>Physical Review Letters</i> , 2015 , 115, 152003	7.4	23
662	Measurements of direct CP-violating asymmetries in charmless decays of bottom baryons. <i>Physical Review Letters</i> , 2014 , 113, 242001	7.4	23
661	Search for Higgs bosons produced in association with b quarks. <i>Physical Review D</i> , 2012 , 85,	4.9	23
660	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	23
659	Search for the production of scalar bottom quarks in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 105, 081802	7.4	23
658	Diffractive W and Z production at the Fermilab Tevatron. <i>Physical Review D</i> , 2010 , 82,	4.9	23
657	Direct top-quark width measurement at CDF. <i>Physical Review Letters</i> , 2010 , 105, 232003	7.4	23
656	Measurement of b hadron lifetimes in exclusive decays containing a J/ψ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 121804	7.4	23

637	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
636	Measurement of the inclusive leptonic asymmetry in top-quark pairs that decay to two charged leptons at CDF. <i>Physical Review Letters</i> , 2014 , 113, 042001	7.4	22
635	Measurement of the masses and widths of the bottom baryons Λ_b^0 and Λ_b^{*0} . <i>Physical Review D</i> , 2012 , 85,	4.9	22
634	Top quark mass measurement using the template method at CDF. <i>Physical Review D</i> , 2011 , 83,	4.9	22
633	Search for maximal flavor violating scalars in same-charge lepton pairs in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 041801	7.4	22
632	Search for a new heavy gauge boson W' with event signature electron+missing transverse energy in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	22
631	Evidence for $t\bar{t}$ production and measurement of $\sigma_{t\bar{t}}$. <i>Physical Review D</i> , 2011 , 84,	4.9	22
630	Combined search for the standard model Higgs boson decaying to a bb pair using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111802	7.4	22
629	Measurement of correlated $b\bar{b}$ production in pp collisions at $s=1.96$ GeV. <i>Physical Review D</i> , 2008 , 77,	4.9	22
628	Top quark mass measurement from dilepton events at CDF II with the matrix-element method. <i>Physical Review D</i> , 2006 , 74,	4.9	22
627	Measurement of the Lambda b0 lifetime in Lambda b0 \rightarrow J/psi Lambda 0 in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 122001	7.4	22
626	Measurement of the W boson polarization in top decay at CDF at $s=1.8$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	22
625	Determination of the number of light neutrino species. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 292, 463-471	4.2	22
624	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
623	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> , 2015 , 75, 79	4.2	21
622	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> , 2016 , 76, 11	4.2	21
621	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> , 2014 , 74, 3195	4.2	21
620	Measurement of the cross section for direct-photon production in association with a heavy quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 042003	7.4	21

619	Measurement of the differential cross section $d\sigma/d(\cos(\theta))$ for Top-Quark Pair Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 182002	7.4	21
618	Measurement of the WW + WZ production cross section using the lepton + jets final state at CDF II. <i>Physical Review Letters</i> , 2010 , 104, 101801	7.4	21
617	Measurement of the top quark mass in the dilepton channel using m_{T2} at CDF. <i>Physical Review D</i> , 2010 , 81,	4.9	21
616	Measurements of branching fraction ratios and CP asymmetries in $B_{\mu} \rightarrow DCPK_{\mu}$ decays in hadron collisions. <i>Physical Review D</i> , 2010 , 81,	4.9	21
615	Study of substructure of high transverse momentum jets produced in proton-antiproton collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	21
614	Top-quark mass measurement from dilepton events at CDF II. <i>Physical Review Letters</i> , 2006 , 96, 152002	7.4	21
613	Search for V+A current in top-quark decays in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 072001	7.4	21
612	Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models. <i>Physical Review D</i> , 2005 , 71,	4.9	21
611	Search for second-generation scalar leptoquarks in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	21
610	Search for Kaluza-Klein graviton emission in pp collisions at square root $\sqrt{s} = 1.8$ TeV using the missing energy signature. <i>Physical Review Letters</i> , 2004 , 92, 121802	7.4	21
609	Search for a Higgs boson decaying into two photons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 534, 28-38	4.2	21
608	Measurement of Bose-Einstein correlations in $e+e \rightarrow W+W$ events at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 547, 139-150	4.2	21
607	Search for excited leptons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 568, 23-34	4.2	21
606	QCD studies in $e+e$ annihilation from 30 GeV to 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 489, 65-80	4.2	21
605	Formation of the χ in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 461, 155-166	4.2	21
604	Measurement of the spectroscopy of orbitally excited B mesons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 465, 323-334	4.2	21
603	Study of hard double-parton scattering in four-jet events in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
602	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 1007	4.2	21

601	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
600	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 997	4.2	21
599	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 58	4.2	20
598	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
597	Searches for heavy diboson resonances in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
596	Searches for the Z decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20
595	K_S^0 and Λ production in pp interactions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector at the LHC. <i>Physical Review D</i> , 2012 , 85,	4.9	20
594	Observation of D^0 - \bar{D}^0 mixing using the CDF II detector. <i>Physical Review Letters</i> , 2013 , 111, 231802	7.4	20
593	Observation of the production of a W boson in association with a single charm quark. <i>Physical Review Letters</i> , 2013 , 110, 071801	7.4	20
592	Study of the associated production of photons and b-quark jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2010 , 81,	4.9	20
591	Observation of $B_{s0} \rightarrow J/\psi(892)^0$ and $B_{s0} \rightarrow J/\psi(892)^0 K_S^0$ decays. <i>Physical Review D</i> , 2011 , 83,	4.9	20
590	Measurement of ZZ production in leptonic final states at \sqrt{s} of 1.96 TeV at CDF. <i>Physical Review Letters</i> , 2012 , 108, 101801	7.4	20
589	Search for W^{\pm} boson decaying to electron-neutrino pairs in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	20
588	Search for heavy long-lived particles that decay to photons at CDF II. <i>Physical Review Letters</i> , 2007 , 99, 121801	7.4	20
587	Measurement of the top quark mass with the dynamical likelihood method using lepton plus jets events with b-tags in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	20
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582	Inclusive charm production in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 453, 83-93	4.2	20
581	Study of Z boson pair production in e+e collisions at LEP at s=189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 465, 363-375	4.2	20
580	Search for neutral charmless B decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 363, 127-136	4.2	20
579	\bar{b} production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 317, 467-473	4.2	20
578	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at [Formula: see text] = 13 Te V with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 565	4.2	20
577	Measurement of the boson polarisation in [Formula: see text] events from collisions at [Formula: see text] = 8 TeV in the lepton+jets channel with ATLAS. <i>European Physical Journal C</i> , 2017 , 77, 264	4.2	19
576	Performance of top-quark and (varvec{W})-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	19
575	Measurement of central exclusive $\bar{b}b$ production in pp collisions at s=0.9 and 1.96 TeV at CDF. <i>Physical Review D</i> , 2015 , 91,	4.9	19
574	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 898	4.2	19
573	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 872	4.2	19
572	Search for the supersymmetric partner of the top quark in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	19
571	Measurements of the top-quark mass using charged particle tracking. <i>Physical Review D</i> , 2010 , 81,	4.9	19
570	Search for a Higgs boson decaying to two W bosons at CDF. <i>Physical Review Letters</i> , 2009 , 102, 021802	7.4	19
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568	Determination of the number of light neutrino species from single photon production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 431, 199-208	4.2	19
567	Measurement of $\sigma(\Lambda_b)/\sigma(B_0 \times B(\Lambda_b \rightarrow \Lambda_c + \pi))/B(B_0 \rightarrow D + \pi)$ in pp collisions at square root s=1.96 TeV. <i>Physical Review Letters</i> , 2007 , 98, 122002	7.4	19
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564	$\pi\pi$ formation in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 453, 73-82	4.2	19
563	Measurement of triple-gauge-boson couplings of the W boson at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 467, 171-184	4.2	19
562	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 403	4.2	19
561	Measurement of three-jet production cross-sections in [Formula: see text] collisions at \sqrt{s} [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 228	4.2	18
560	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> , 2014 , 74, 1	4.2	18
559	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> , 2014 , 74, 2982	4.2	18
558	Measurement of the low-mass Drell-Yan differential cross section at $(\sqrt{s}) = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
557	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2676	4.2	18
556	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> , 2015 , 2015, 1	5.4	18
555	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-65	5.4	18
554	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , 2015 , 75, 407	4.2	18
553	Mass and lifetime measurements of bottom and charm baryons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	18
552	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	18
551	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> , 2011 , 71, 1	4.2	18
550	First observation of vector boson pairs in a hadronic final state at the tevatron collider. <i>Physical Review Letters</i> , 2009 , 103, 091803	7.4	18
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545	Search for pair production of scalar top quarks in R-parity violating decay modes in pp collisions at square root of $s=1.8$ TeV. <i>Physical Review Letters</i> , 2004 , 92, 051803	7.4	18
544	Search for anomalous couplings in the Higgs sector at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 589, 89-102	4.2	18
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541	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 87	4.2	18
540	Searches for heavy ZZ and ZW resonances in the $\bar{t}q$ and $\bar{t}q$ final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
539	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
538	Measurement of polarization in $\tau \rightarrow \mu \nu_\tau \nu_\mu$ decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
537	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> , 2014 , 74, 3117	4.2	17
536	Measurement of the b-hadron production cross section using decays to $\tau \nu_\tau$. <i>Nuclear Physics B</i> , 2012 , 864, 341-381	2.8	17
535	Search for R-parity violating decays of sneutrinos to $e\tilde{\chi}_1^0$ and $e\tilde{\chi}_1^\pm$ pairs in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 191801	7.4	17
534	First observation of $B(s)(0) \rightarrow D(s)(\pm)K(\mp)$ and measurement of the ratio of branching fractions $B(B(s)(0) \rightarrow D(s)(\pm)K(\mp))/B(B(s)(0) \rightarrow D(s)(\pm)\pi(\mp))$. <i>Physical Review Letters</i> , 2009 , 103, 191802	7.4	17
533	Measurement of W-boson helicity fractions in top-quark decays using $\cos\theta^*$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 674, 160-167	4.2	17
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530	Resonance formation in the $\mu^+\mu^-$ final state in two-photon collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 147-158	4.2	17

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527	Measurement of the helicity of W bosons in top-quark decays. <i>Physical Review D</i> , 2006 , 73,	4.9	17
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518	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in (sqrt{s}=8) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
517	Search for the Standard Model Higgs boson decaying into (b ⁻) produced in association with top quarks decaying hadronically in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
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514	Measurement of the Drell-Yan triple-differential cross section in pp collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
513	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> , 2015 , 2015, 1	5.4	16
512	Measurement of the (t ⁻ W) and (t ⁻ Z) production cross sections in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16

511	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ($\sqrt{s}=7$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
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508	Measurement of the production cross-section of $(ZS) \rightarrow J/\psi + \mu^+ \mu^-$ in pp collisions at (\sqrt{s}) = 7 TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
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505	Measurement of the cross section for prompt isolated diphoton production using the full CDF run II data sample. <i>Physical Review Letters</i> , 2013 , 110, 101801	7.4	16
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502	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	16
501	Search for Randall-Sundrum gravitons in the diphoton channel at CDF. <i>Physical Review D</i> , 2011 , 83,	4.9	16
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499	Search for new physics in high p_T like-sign dilepton events at CDF II. <i>Physical Review Letters</i> , 2011 , 107, 181801	7.4	16
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492	Study of the KS0KS0 final state in two-photon collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 363, 118-126	4.2	16
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490	Measurement of the average lifetime of b hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 317, 474-484	4.2	16
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481	Measurement of W-boson polarization in top-quark decay using the full CDF Run II data set. <i>Physical Review D</i> , 2013 , 87,	4.9	15
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464	Measurement of inclusive $\bar{\Lambda}$ and Λ production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 393, 465-476	4.2	15
463	Search for pair production of scalar top quarks decaying to a tau lepton and a b quark in pp over collisions at $\sqrt{s}=1.96\text{ TeV}$. <i>Physical Review Letters</i> , 2008 , 101, 071802	7.4	15
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461	Cross-section-constrained top-quark mass measurement from dilepton events at the Tevatron. <i>Physical Review Letters</i> , 2008 , 100, 062005	7.4	15
460	Measurement of mass and width of the excited charmed meson states D_{10} and D_{2*0} at CDF. <i>Physical Review D</i> , 2006 , 73,	4.9	15
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451	An S matrix analysis of the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 315, 494-502	4.2	15
450	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> , 2018 , 2018, 1	5.4	15
449	Tevatron Run II combination of the effective leptonic electroweak mixing angle. <i>Physical Review D</i> , 2018 , 97,	4.9	15
448	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 625	4.2	15
447	Measurement of the $\sigma(e^+e^- \rightarrow \mu^+\mu^- \gamma)$ and $\sigma(e^+e^- \rightarrow \tau^+\tau^- \gamma)$ production cross sections in multilepton final states using 3.2 fb of $\sqrt{s}=13$ TeV collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 40	4.2	14
446	Measurements of electroweak $\sigma(e^+e^- \rightarrow \mu^+\mu^- \gamma)$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 474	4.2	14
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444	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	14
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430	Search for neutral B meson decays to two charged leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 391, 474-480	4.2	14
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427	Measurement of the tt production cross section in pp collisions at square root $s = 1.96$ TeV using missing E(T) + jets events with secondary vertex b tagging. <i>Physical Review Letters</i> , 2006 , 96, 202002	7.4	14
426	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 131804	7.4	14
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424	Measurement of the average time-integrated mixing probability of b-flavored hadrons produced at the Fermilab Tevatron. <i>Physical Review D</i> , 2004 , 69,	4.9	14
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422	Measurement of Bose-Einstein correlations in $e+e\rightarrow W+W\rightarrow t\bar{t}$ [GeV]. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 493, 233-248	4.2	14

4 ²¹	Measurement of exclusive branching fractions of hadronic one-prong tau decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 93-102	4.2	14
4 ²⁰	One-prong τ decays with neutral kaons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 352, 487-497	4.2	14
4 ¹⁹	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
4 ¹⁸	High-precision measurement of the boson mass with the CDF II detector.. <i>Science</i> , 2022 , 376, 170-176	33.3	14
4 ¹⁷	Measurements of top-quark pair differential cross-sections in the [Formula: see text] channel in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 292	4.2	13
4 ¹⁶	Search for triboson [Formula: see text] production in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 141	4.2	13
4 ¹⁵	Measurement of the transverse polarization of Λ and Σ hyperons produced in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2015 , 91,	4.9	13
4 ¹⁴	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^* \rightarrow e\bar{\nu}$ with the ATLAS detector at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
4 ¹³	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
4 ¹²	Identification of high transverse momentum top quarks in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
4 ¹¹	Addendum to Measurement of the $(t\bar{t})$ production cross-section using (emu) events with b-tagged jets in pp collisions at ($\sqrt{s}) = 7$ and 8 (TeV) with the ATLAS detector [<i>European Physical Journal C</i> , 2016 , 76, 1	4.2	13
4 ¹⁰	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 4	4.2	13
4 ⁰⁹	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
4 ⁰⁸	Evidence for s-channel single-top-quark production in events with one charged lepton and two jets at CDF. <i>Physical Review Letters</i> , 2014 , 112, 231804	7.4	13
4 ⁰⁷	Search for R-parity-violating supersymmetry in events with four or more leptons in ($\sqrt{s}=7;\text{TeV}$) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13
4 ⁰⁶	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ($\sqrt{s} = 7\sim\text{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
4 ⁰⁵	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
4 ⁰⁴	Test of the Bose-Einstein correlations and reconstruction of the source function in hadronic Z-boson decay at LEP. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13

403	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb of ATLAS data. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
402	Search for Gluino-Mediated Bottom Squark Production in pp Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 221801	7.4	13
401	Measurement of the $t\bar{t}$ production cross section in 2 fb of pp collisions at $\sqrt{s}=1.96$ TeV using lepton plus jets events with soft muon b tagging. <i>Physical Review D</i> , 2009 , 79,	4.9	13
400	Search for resonant production of $t\bar{t}$ decaying to jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	13
399	Search for the standard model Higgs Boson produced in association with top quarks using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 181802	7.4	13
398	Production of single W bosons in $e+e$ interactions at $\sqrt{s}=183$ GeV and limits on anomalous WW couplings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 436, 417-427	4.2	13
397	Measurement of the effective weak mixing angle by jet-charge asymmetry in hadronic decays of the Z boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 439, 225-236	4.2	13
396	Search for third generation vector leptoquarks in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	13
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394	Measurement of the ratio of branching fractions $B(D0 \rightarrow K^+ \pi^-) / B(D0 \rightarrow K^0 \pi^0)$ using the CDF II detector. <i>Physical Review D</i> , 2006 , 74,	4.9	13
393	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV in the all hadronic decay mode. <i>Physical Review D</i> , 2006 , 74,	4.9	13
392	Measurement of genuine three-particle Bose-Einstein correlations in hadronic Z decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 540, 185-198	4.2	13
391	Search for neutral Higgs bosons of the minimal supersymmetric standard model in $e+e$ interactions at up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 545, 30-42	4.2	13
390	Measurement of charged-particle multiplicity distributions and their Hq moments in hadronic Z decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 577, 109-119	4.2	13
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387	Measurement of the $W+W$ cross section and direct limits on anomalous quartic gauge boson couplings at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 490, 187-195	4.2	13
386	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13

385	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	13
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382	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
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380	Search for new phenomena with photon+jet events in proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
379	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
378	Search for strong gravity in multijet final states produced in pp collisions at ($\sqrt{s}=13$) TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
377	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 232	4.2	12
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375	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
374	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2895	4.2	12
373	Measurement of the inclusive jet cross-sections in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
372	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at ($\sqrt{s}=13$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
371	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \mu\mu$ in ($\sqrt{s}=13$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
370	Measurements of top quark spin observables in (\overline{t}) events using dilepton final states in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
369	Measurement of the flavour composition of dijet events in pp collisions at ($\sqrt{s}=7$ mbox{TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
368	Updated search for the standard model Higgs boson in events with jets and missing transverse energy using the full CDF data set. <i>Physical Review D</i> , 2013 , 87,	4.9	12

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364	Search for a low-mass standard model Higgs boson in the $\tau\tau$ decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 181804	7.4	12
363	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , 2010 , 70, 755-785	4.2	12
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361	Angular multiplicity fluctuations in hadronic Z decays and comparison to QCD models and analytical calculations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 428, 186-196	4.2	12
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359	Search for standard model Higgs bosons produced in association with W bosons. <i>Physical Review Letters</i> , 2008 , 100, 041801	7.4	12
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351	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 129	4.2	11
350	Measurement of lepton differential distributions and the top quark mass in production in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 804	4.2	11

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344	Search for high-mass resonances decaying into ZZ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	11
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341	Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set. <i>Physical Review D</i> , 2013 , 88,	4.9	11
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333	Search for a heavy particle decaying to a top quark and a light quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 211805	7.4	11
332	Search for chargino-neutralino production in pp collisions at $\sqrt{s}=1.96$ TeV with high- p_T leptons. <i>Physical Review D</i> , 2008 , 77,	4.9	11

331	Direct measurement of the W Boson width in pp collisions at square roots = 1.96 TeV. <i>Physical Review Letters</i> , 2008 , 100, 071801	7.4	11
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328	Hadron collider triggers with high-quality tracking at very high event rates. <i>IEEE Transactions on Nuclear Science</i> , 2004 , 51, 391-400	1.7	11
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320	Evidence for gluon interference in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 353, 145-154	4.2	11
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318	Inclusive search for the charmless radiative decay of the b-quark ($b \rightarrow s\gamma$) <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 317, 637-646	4.2	11
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287	Measurement of inclusive D* production in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 467, 137-146	4.2	10
286	Energy and particle flow in three-jet and radiative two-jet events from hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 74-84	4.2	10
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276	First search for exotic Z Boson decays into photons and neutral pions in hadron collisions. <i>Physical Review Letters</i> , 2014 , 112, 111803	7-4	9
275	Search for s-channel single-top-quark production in events with missing energy plus jets in pp collisions at \sqrt{s} = 1.96 TeV. <i>Physical Review Letters</i> , 2014 , 112, 231805	7-4	9
274	Measurement of the mass difference between top and antitop quarks. <i>Physical Review D</i> , 2013 , 87,	4-9	9
273	Improved search for a Higgs boson produced in association with $Z \rightarrow l+l$ in pp collisions \sqrt{s} = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 105, 251802	7-4	9
272	Search for the associated production of the standard-model Higgs Boson in the all-hadronic channel. <i>Physical Review Letters</i> , 2009 , 103, 221801	7-4	9
271	Search for the Higgs boson produced in association with $Z \rightarrow \mu\mu$ using the matrix element method at CDF II. <i>Physical Review D</i> , 2009 , 80,	4-9	9
270	Hard-photon production at and 172 GeV at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 159-166	4-2	9
269	Search for R-parity breaking sneutrino exchange at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 373-381	4-2	9
268	Search for neutral Higgs bosons of the minimal supersymmetric standard model in $e+e$ interactions at $s = 130 - 183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 436, 389-402	4-2	9
267	First measurement of the fraction of top-quark pair production through gluon-gluon fusion. <i>Physical Review D</i> , 2008 , 78,	4-9	9
266	Measurement of b-jet shapes in inclusive jet production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 78,	4-9	9
265	Two-particle momentum correlations in jets produced in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4-9	9
264	Search for Higgs bosons decaying to bb and produced in association with W bosons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 081803	7-4	9
263	Search for chargino-neutralino production in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 191806	7-4	9
262	A search for $t \rightarrow \bar{q}$ in $t\bar{t}$ production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 172-178	4-2	9
261	Measurement of the polar-angle distribution of leptons from W boson decay as a function of the W transverse momentum in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2004 , 70,	4-9	9
260	Inclusive search for anomalous production of high- p_T like-sign lepton pairs in pp collisions at square root $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 061802	7-4	9

259	Search for lepton flavor violating decays of a heavy neutral particle in $p(\bar{p})p$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 2003 , 91, 171602	7.4	9
258	Production of single W bosons at GeV and measurement of WW gauge couplings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 487, 229-240	4.2	9
257	Measurement of the weak charged current structure in semileptonic b-hadron decays at the Z peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 351, 375-386	4.2	9
256	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
255	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(\ell\ell)$ decay channel at $(\sqrt{s}) = 13$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
254	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
253	Measurement of $VH, (\mathit{H})\to\mathit{b}\overline{\mathit{b}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
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251	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
250	Combined Forward-Backward Asymmetry Measurements in Top-Antitop Quark Production at the Tevatron. <i>Physical Review Letters</i> , 2018 , 120, 042001	7.4	8
249	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016 , 11, P05013-P05013	1	8
248	Measurement of splitting scales in \rightarrow events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4.2	8
247	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 144	4.2	8
246	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	8
245	CALISA CALibration Insertion System for the DarkSide-50 dark matter search experiment. <i>Journal of Instrumentation</i> , 2017 , 12, T12004-T12004	1	8
244	Study of the energy dependence of the underlying event in proton-antiproton collisions. <i>Physical Review D</i> , 2015 , 92,	4.9	8
243	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 158	4.2	8
242	Measurement of the $WW+WZ$ production cross section using a matrix element technique in lepton+jets events. <i>Physical Review D</i> , 2010 , 82,	4.9	8

241	Search for new physics with a dijet plus missing E(T) signature in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 131801	7.4	8
240	Measurement of the top quark mass in the lepton+jets channel using the lepton transverse momentum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 371-379	4.2	8
239	Search for standard model Higgs boson production in association with a W boson using a matrix element technique at CDF in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	8
238	Search for the standard model Higgs boson produced in association with a W^\pm boson with 7.5 fb ⁻¹ integrated luminosity at CDF. <i>Physical Review D</i> , 2012 , 86,	4.9	8
237	Search for heavy neutral and charged leptons in e^+e^- annihilation at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 412, 189-200	4.2	8
236	Cross section measurements of high-pT dilepton final-state processes using a global fitting method. <i>Physical Review D</i> , 2008 , 78,	4.9	8
235	Measurement of the azimuthal angle distribution of leptons from W boson decays as a function of the W transverse momentum in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	8
234	Measurement of the Z-boson mass using $e^+e^- \rightarrow Z \rightarrow e^+e^-$ events at centre-of-mass energies above the Z pole. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 585, 42-52	4.2	8
233	Inclusive $D^* \rightarrow \pi$ production in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 535, 59-69	4.2	8
232	Proton-antiproton pair production in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 571, 11-20	4.2	8
231	Central pseudorapidity gaps in events with a leading antiproton at the fermilab tevatron pp collider. <i>Physical Review Letters</i> , 2003 , 91, 011802	7.4	8
230	Search for the flavor-changing neutral current decay $D^0 \rightarrow \pi^0 \pi^0$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2003 , 68,	4.9	8
229	Measurement of the running of the electromagnetic coupling at large momentum-transfer at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 623, 26-36	4.2	8
228	Publisher's Note: Search for $B_s^0 \rightarrow \pi^0 \pi^0$ and $B_d^0 \rightarrow \pi^0 \pi^0$ Decays in pp Collisions with CDF II [Phys. Rev. Lett. 95, 221805 (2005)]. <i>Physical Review Letters</i> , 2005 , 95,	7.4	8
227	Search for supersymmetric Higgs bosons in the di-tau decay mode in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2005 , 72,	4.9	8
226	Search for neutral Higgs bosons of the minimal supersymmetric standard model in e^+e^- interactions at $\sqrt{s}=192 \pm 0.2$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 503, 21-33	4.2	8
225	Search for a Higgs boson decaying into two photons in e^+e^- interactions at $\sqrt{s} = 189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 489, 115-124	4.2	8
224	A study of four-fermion processes at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 321, 283-294	4.2	8

223	Evidence for $(\bar{t}t)$ production in the multilepton final state in proton-proton collisions at $(\sqrt{s}=13)$ (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
222	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
221	Measurements of top-quark pair spin correlations in the $(e\mu)$ channel at $(\sqrt{s} = 13)$ TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
220	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
219	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+e^-e^+e^-)$ and $(e^+e^-e^+\nu_{\bar{\nu}})$ final states using 139 (fb ⁻¹) of proton-proton collisions at $(\sqrt{s} = 13,)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
218	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
217	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $(\sqrt{s}=8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
216	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb ⁻¹ of $(\sqrt{s}) = 13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
215	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 784	4.2	8
214	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
213	Measurement of differential production cross sections for Z/ γ bosons in association with jets in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	7
212	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> , 2018 , 78, 102	4.2	7
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210	Measurement of differential cross sections and W^+/W^- cross-section ratios for W boson production in association with jets at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
209	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> , 2017 , 2017, 1	5.4	7
208	Measurements of top-quark pair to Z-boson cross-section ratios at $(\sqrt{s}=13)$, 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
207	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $(\sqrt{s}=13)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
206	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $(\sqrt{s}=13)$ TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7

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204	The electronics, trigger and data acquisition system for the liquid argon time projection chamber of the DarkSide-50 search for dark matter. <i>Journal of Instrumentation</i> , 2017 , 12, P12011-P12011	1	7
203	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
202	Measurement of the top-quark mass in the all-hadronic channel using the full CDF data set. <i>Physical Review D</i> , 2014 , 90,	4.9	7
201	Measurement of the ZZ production cross section using the full CDF II data set. <i>Physical Review D</i> , 2014 , 89,	4.9	7
200	Measurement of $Z\bar{\nu}\nu$ production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	7
199	Updated search for the flavor-changing neutral-current decay $D^0 \rightarrow \mu\bar{\nu}\mu$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	7
198	Measurement of the top-quark mass in the lepton+jets channel using a matrix element technique with the CDF II detector. <i>Physical Review D</i> , 2011 , 84,	4.9	7
197	Measurement of the top quark mass using the invariant mass of lepton pairs in soft muon b-tagged events. <i>Physical Review D</i> , 2009 , 80,	4.9	7
196	Measurement of the B lifetime using a simulation free approach for trigger bias correction. <i>Physical Review D</i> , 2011 , 83,	4.9	7
195	Search for new heavy particles decaying to $ZZ \rightarrow llll, lljj$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	7
194	Measurement of the cross section for prompt isolated diphoton production in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2011 , 107, 102003	7.4	7
193	Top-quark mass measurement using events with missing transverse energy and jets at CDF. <i>Physical Review Letters</i> , 2011 , 107, 232002	7.4	7
192	Novel inclusive search for the Higgs boson in the four-lepton final state at CDF. <i>Physical Review D</i> , 2012 , 86,	4.9	7
191	Search for exotic $S=\bar{2}$ baryons in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	7
190	Measurement of the top-quark mass using missing ET+jets events with secondary vertex b-tagging at CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	7
189	Search for scalar leptoquark pairs decaying to lqq in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	7
188	Search for ZZ and ZW production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	7

187	Search for new physics in lepton+photon+X events with 305 pb(-1) of pp collisions at [square root of s] = 1.96 TeV. <i>Physical Review Letters</i> , 2006 , 97, 031801	7.4	7
186	Search for colour singlet and colour reconnection effects in hadronic Z decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 581, 19-30	4.2	7
185	Inclusive jet production in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 602, 157-166	4.2	7
184	Hard-photon production and tests of QED at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 475, 198-205	4.2	7
183	Search for charged Higgs bosons in e+e- collisions at s=189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 466, 71-78	4.2	7
182	Search for R-parity violating chargino and neutralino decays in e+e- collisions up to s=183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 459, 354-366	4.2	7
181	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at ($\sqrt{s} = 13, \text{TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
180	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> , 2021 , 81, 1	4.2	7
179	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 670	4.2	7
178	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 541	4.2	7
177	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 81	4.2	7
176	Measurements of WH and ZH production in the ($H \rightarrow b\bar{b}$) decay channel in pp collisions at ($13, \text{TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
175	The DarkSide Experiment: Present Status and Future. <i>Journal of Physics: Conference Series</i> , 2017 , 798, 012109	0.3	6
174	Directional dark matter detection sensitivity of a two-phase liquid argon detector. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 014-014	6.4	6
173	Measurement of the $Bc\bar{B}$ production cross section in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	6
172	Measurement of the forwardBackward asymmetry of top-quark and antiquark pairs using the full CDF Run II data set. <i>Physical Review D</i> , 2016 , 93,	4.9	6
171	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 238	4.2	6
170	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	6

169	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
168	Top-quark mass measurement in the all-hadronic (\overline{t}) decay channel at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
167	Searches for the Higgs boson decaying to $W+W\rightarrow\mu\mu$ with the CDF II detector. <i>Physical Review D</i> , 2013 , 88,	4.9	6
166	Search for technicolor particles produced in association with a W Boson at CDF. <i>Physical Review Letters</i> , 2010 , 104, 111802	7.4	6
165	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV using soft electron b-tagging. <i>Physical Review D</i> , 2010 , 81,	4.9	6
164	Search for narrow resonances lighter than ρ mesons. <i>European Physical Journal C</i> , 2009 , 62, 319-326	4.2	6
163	Search for standard model Higgs boson production in association with a W boson using a neural network discriminant at CDF. <i>Physical Review D</i> , 2009 , 80,	4.9	6
162	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV using events with large missing transverse energy and jets. <i>Physical Review D</i> , 2011 , 84,	4.9	6
161	Study of the process at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 505, 47-58	4.2	6
160	Search for (\overline{t}) resonances in fully hadronic final states in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
159	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
158	Search for new phenomena in final states with b-jets and missing transverse momentum in (\sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
157	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
156	Search for exclusive Higgs and Z boson decays to $\tau\tau$ and $\tau\nu$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
155	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 220	4.2	5
154	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at (\sqrt{s}) = 13 and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
153	Search for production of an $\Upsilon(1S)$ meson in association with a W or Z boson using the full 1.96 TeV pp collision data set at CDF. <i>Physical Review D</i> , 2015 , 91,	4.9	5
152	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , 2018 , 78, 186	4.2	5

151	Search for the Higgs boson in the all-hadronic final state using the full CDF data set. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	5
150	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
149	Search for Resonances Decaying to Top and Bottom Quarks with the CDF Experiment. <i>Physical Review Letters</i> , 2015 , 115, 061801	7-4	5
148	Measurement of four-jet differential cross sections in ($\sqrt{s}=8$) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-76	5-4	5
147	Invariant-mass distribution of jet pairs produced in association with a W boson in pp collisions at $s=1.96$ TeV using the full CDF Run II data set. <i>Physical Review D</i> , 2014 , 89,	4-9	5
146	Production of K_S^0 , $K^{*0}(892)$ and $\rho^0(1020)$ in minimum bias events and K_S^0 and \bar{D} in jets in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4-9	5
145	Measurement of the tt production cross section with an in situ calibration of b-jet identification efficiency. <i>Physical Review D</i> , 2011 , 83,	4-9	5
144	Search for new physics in the $\mu e/\mu E$ T channel with a low-pT lepton threshold at the Collider Detector at Fermilab. <i>Physical Review D</i> , 2009 , 79,	4-9	5
143	Search for a Higgs boson in the diphoton final state in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 011801	7-4	5
142	Search for the rare radiative decay $W \rightarrow \mu \gamma$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4-9	5
141	Search for anomalous production of multiple leptons in association with W and Z bosons at CDF. <i>Physical Review D</i> , 2012 , 85,	4-9	5
140	Searching the inclusive $E_T + b$ -quark signature for radiative top quark decay and non-standard-model processes. <i>Physical Review D</i> , 2009 , 80,	4-9	5
139	Search for exclusive B decays to J and \bar{D} or \bar{D}^* with the L3 detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 391, 481-490	4-2	5
138	Study of inclusive strange-baryon production and search for pentaquarks in two-photon collisions at LEP. <i>European Physical Journal C</i> , 2007 , 49, 395-410	4-2	5
137	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
136	Search for the $HH \rightarrow (b\bar{b})$ process via vector-boson fusion production using proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
135	Observation of the associated production of a top quark and a Z boson in pp collisions at (\sqrt{s})= 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
134	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	5

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132	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 375	4.2	5
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130	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
129	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
128	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , 2018 , 78, 847	4.2	5
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123	First measurement of the forward-backward asymmetry in bottom-quark pair production at high mass. <i>Physical Review D</i> , 2015 , 92,	4.9	4
122	Search for WZ+ZZ production with missing transverse energy+jets with b enhancement at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	4
121	Search for supersymmetry with like-sign lepton-tau events at CDF. <i>Physical Review Letters</i> , 2013 , 110, 201802	7.4	4
120	Signature-based search for delayed photons in exclusive photon plus missing transverse energy events from pp collisions with $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	4
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107	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
106	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	4
105	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> , 2018 , 2018, 1	5.4	4
104	Search for dark matter produced in association with a single top quark in $(\sqrt{s}=13)$ TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	4
103	Tevatron constraints on models of the Higgs boson with exotic spin and parity using decays to bottom-antibottom quark pairs. <i>Physical Review Letters</i> , 2015 , 114, 151802	7.4	3
102	Measurement of the single top quark production cross section and $ V_{tb} $ in 1.96 TeV pp collisions with missing transverse energy and jets and final CDF combination. <i>Physical Review D</i> , 2016 , 93,	4.9	3
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93	Search for the Higgs boson in the all-hadronic final state using the CDF II detector. <i>Physical Review D</i> , 2011 , 84,	4-9	3
92	Search for anomalous production of events with a photon, jet, b-quark jet, and missing transverse energy. <i>Physical Review D</i> , 2009 , 80,	4-9	3
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68	Production of Λ , Σ , Ξ , and Ξ hyperons in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4-9	2
67	Inclusive J, Λ and Ξ production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 351-360	4-2	2
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53	Constraints on models of the Higgs boson with exotic spin and parity using decays to bottom-antibottom quarks in the full CDF data set. <i>Physical Review Letters</i> , 2015 , 114, 141802	7.4	1
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50	Measurement of the forward-backward asymmetry in low-mass bottom-quark pairs produced in proton-antiproton collisions. <i>Physical Review D</i> , 2016 , 93,	4.9	1
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40	A search for flaring very-high-energy cosmic ray sources with the L3+C muon spectrometer. <i>Astroparticle Physics</i> , 2006 , 25, 298-310	2.4	1
39	Inclusive Lambda production in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 586, 140-150	4.2	1
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