

# Sandro De Cecco

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9530683/sandro-de-cecco-publications-by-year.pdf>

**Version:** 2024-04-04

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

769 papers	29,669 citations	78 h-index	123 g-index
797 ext. papers	33,036 ext. citations	5.2 avg, IF	2.68 L-index

#	Paper	IF	Citations
769	Characterization of the scintillation time response of liquid argon detectors for dark matter search. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P11026	1	0
768	Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2021</b> , 2021, 043	6.4	2
767	Separating ( $^{39}\text{Ar}$ ) from ( $^{40}\text{Ar}$ ) by cryogenic distillation with Aria for dark-matter searches. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
766	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
765	Measurement of single top-quark production in association with a W boson in the single-lepton channel at ( $\sqrt{s} = 8, \text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
764	Effective field theory interactions for liquid argon target in DarkSide-50 experiment. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	1
763	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P02024-P02024	1	10
762	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> , <b>2020</b> , 2020, 1	5.4	8
761	Search for dijet resonances in events with an isolated charged lepton using ( $\sqrt{s} = 13 \text{ TeV}$ ) proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3
760	Measurement of the $Z \rightarrow \mu\mu$ production cross-section in pp collisions at ( $\sqrt{s} = 13 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
759	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at ( $\sqrt{s}=8$ ) and 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
758	Transverse momentum and process dependent azimuthal anisotropies in ( $\sqrt{s_{\text{NN}}}=8.16$ ) TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
757	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	30
756	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in ( $\sqrt{s}=13$ ) ( $\text{TeV}$ ) pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	50
755	Search for light long-lived neutral particles produced in pp collisions at ( $\sqrt{s} = 13 \sim \text{TeV}$ ) and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
754	Determination of jet calibration and energy resolution in proton-proton collisions at ( $\sqrt{s} = 8 \sim \text{TeV}$ ) using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
753	Measurement of $J/\psi$ production in association with a $W$ boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	4

752	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	20
751	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
750	Fluctuations of anisotropic flow in Pb+Pb collisions at ( $\sqrt{s_{NN}}$ ) = 5.02 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	13
749	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at ( $\sqrt{s}$ =13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	13
748	Measurement of differential cross sections for single diffractive dissociation in ( $\sqrt{s}$ ) = 8 TeV pp collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
747	Measurement of isolated-photon plus two-jet production in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
746	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
745	Search for the HH → ( $\overline{b}b$ ) process via vector-boson fusion production using proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
744	Observation of the associated production of a top quark and a Z boson in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
743	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at ( $\sqrt{s}$ =13,)TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
742	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
741	Measurements of top-quark pair spin correlations in the ( $\mu\mu$ ) channel at ( $\sqrt{s}$ = 13) TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
740	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at ( $\sqrt{s}$ =8~text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	11
739	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
738	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ( $\sqrt{s}$ = 13) (text {TeV}). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	37
737	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
736	Searches for scalar leptoquarks and differential cross-section measurements in dilepton+jet events in proton-proton collisions at a centre-of-mass energy of ( $\sqrt{s}$ ) = 13 TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	15
735	Search for single production of vector-like quarks decaying into Wb in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	14

734	Search for top-quark decays $t \rightarrow Hq$ with 36 fb <sup>-1</sup> of pp collision data at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	13
733	Measurement of $VH, (\mathrm{H}) \rightarrow \mathrm{b}\overline{\mathrm{b}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
732	Measurements of W and Z boson production in pp collisions at $(\sqrt{s}=5.02)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	12
731	Performance of top-quark and $(\mathrm{W})$ -boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	19
730	Measurements of inclusive and differential fiducial cross-sections of $(\mathrm{t}\overline{\mathrm{t}}\gamma)$ production in leptonic final states at $(\sqrt{s}=13\text{~text {TeV}})$ in ATLAS. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
729	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P03017-P03017	1	25
728	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 58	4.2	20
727	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
726	In situ calibration of large-radius jet energy and mass in 13 TeV proton–proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
725	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	26
724	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $(\sqrt{s}) = 13$ and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
723	Measurement of the top quark mass in the $(\mathrm{t}\overline{\mathrm{t}} \rightarrow \text{lepton+jets})$ channel from $(\sqrt{s}=8)$ TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	24
722	Search for pair production of Higgs bosons in the $(\mathrm{b}\overline{\mathrm{b}}\mathrm{b}\overline{\mathrm{b}})$ final state using proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
721	Constraints on mediator-based dark matter and scalar dark energy models using $(\sqrt{s}) = 13$ TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
720	Search for long-lived neutral particles in pp collisions at $(\sqrt{s}) = 13\text{~text {TeV}}$ that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	18
719	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
718	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
717	Measurement of $(W^{\pm}Z)$ production cross sections and gauge boson polarisation in pp collisions at $(\sqrt{s} = 13\text{~text {TeV}})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	20

716	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	18
715	Search for scalar resonances decaying into $\mu\mu$ in events with and without b-tagged jets produced in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
714	Search for diboson resonances in hadronic final states in 139 fb $^{-1}$ of pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
713	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13$ TeV with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	3
712	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13 TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	11
711	Measurement of $K_S^0$ and $\Lambda^0$ production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	3
710	Measurement of the inclusive isolated-photon cross section in pp collisions at $(\sqrt{s}) = 13$ TeV using 36 fb $^{-1}$ of ATLAS data. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
709	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	14
708	Measurement of the top-quark mass in $(t\bar{t}) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
707	Measurement of fiducial and differential $(W^+W^-)$ production cross-sections at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
706	Measurement of ZZ production in the $\ell\ell$ final state with the ATLAS detector in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
705	Measurement of $(W^{\pm})$ -boson and Z-boson production cross-sections in pp collisions at $(\sqrt{s}=2.76)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
704	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	4
703	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
702	Measurement of $(W^{\pm})$ boson production in Pb+Pb collisions at $(\sqrt{s_{\mathrm{NN}}}) = 5.02$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
701	ATLAS b-jet identification performance and efficiency measurement with $(t\bar{t})$ events in pp collisions at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	43
700	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $(\sqrt{s_{\mathrm{NN}}}) = 5.02$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
699	Measurement of the ion fraction and mobility of $^{218}\text{Po}$ produced in $^{222}\text{Rn}$ decays in liquid argon. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P11018-P11018	1	

698	Measurements of top-quark pair differential and double-differential cross-sections in the $(\ell\ell)+\text{jets}$ channel with pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	13
697	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
696	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb $^{-1}$ of pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	81
695	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $(\sqrt{s}=13)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	10
694	Measurement of the $\chi$ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 110	4.2	59
693	Search for new phenomena in high-mass final states with a photon and a jet from collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 102	4.2	7
692	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 154	4.2	23
691	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 142	4.2	35
690	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 171	4.2	35
689	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , <b>2018</b> , 78, 186	4.2	5
688	Search for heavy resonances in the $\ell\ell$ and $\ell\ell+\text{jets}$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 293	4.2	41
687	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 250	4.2	28
686	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb $^{-1}$ of $(\sqrt{s}=13)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	26
685	Search for heavy resonances decaying into $\ell\ell$ in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 24	4.2	47
684	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 129	4.2	11
683	Search for W W/W Z resonance production in $\ell\bar{\ell}q$ final states in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
682	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	36
681	Measurement of the liquid argon energy response to nuclear and electronic recoils. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	24



680	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
679	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 18	4.2	32
678	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 199	4.2	55
677	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 163	4.2	3
676	Searches for heavy ZZ and ZW resonances in the $\ell\ell q$ and $\ell\ell q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
675	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. <i>European Physical Journal Plus</i> , <b>2018</b> , 133, 1	3.1	160
674	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
673	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. <i>Physical Review Letters</i> , <b>2018</b> , 121, 081301	3.7	169
672	Electroluminescence pulse shape and electron diffusion in liquid argon measured in a dual-phase TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2018</b> , 904, 23-34	1.2	10
671	Measurement of differential cross sections and $W^+/W^-$ cross-section ratios for W boson production in association with jets at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
670	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a a \rightarrow 4b$ channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14
669	Measurement of the ( $Z \rightarrow \nu \bar{\nu}$ ) production cross section in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
668	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 784	4.2	8
667	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1007	4.2	21
666	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 847	4.2	5
665	DarkSide-50 532-day dark matter search with low-radioactivity argon. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	86
664	Angular analysis of $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decays in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	44
663	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 401	4.2	23

662	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
661	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
660	Search for Higgs boson pair production in the ( $\text{upgamma upgamma boverline{b}}$ ) final state with 13 TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
659	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
658	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 997	4.2	21
657	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 903	4.2	66
656	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 995	4.2	49
655	Search for charged Higgs bosons decaying into top and bottom quarks at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	39
654	Operation and performance of the ATLAS Tile Calorimeter in Run1. <i>European Physical Journal C</i> , <b>2018</b> , 78, 987	4.2	13
653	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	28
652	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	16
651	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	33
650	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	48
649	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
648	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in the $\tau$ -jets and $\tau$ -lepton final states with 36 fb <sup>-1</sup> of pp collision data recorded at ( $\sqrt{s}=13$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	33
647	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 762	4.2	23
646	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
645	Search for exclusive Higgs and Z boson decays to $\tau^+\tau^-$ and $\tau^+\tau^-\nu_\tau$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6



644	Measurements of b-jet tagging efficiency with the ATLAS detector using ( $\overline{t}$ ) events at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	31
643	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
642	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 487	4.2	5
641	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 565	4.2	34
640	Constraints on Sub-GeV Dark-Matter-Electron Scattering from the DarkSide-50 Experiment. <i>Physical Review Letters</i> , <b>2018</b> , 121, 111303	7.4	85
639	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 625	4.2	15
638	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	101
637	Measurement of the $[ \text{Formula: see text} ]$ and $[ \text{Formula: see text} ]$ production cross sections in multilepton final states using 3.2 fb $[ \text{Formula: see text} ]$ of $[ \text{Formula: see text} ]$ collisions at $[ \text{Formula: see text} ] = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 40	4.2	14
636	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 -collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 26	4.2	22
635	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
634	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 $[ \text{Formula: see text} ]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 220	4.2	5
633	Measurement of the boson polarisation in $[ \text{Formula: see text} ]$ events from collisions at $[ \text{Formula: see text} ] = 8$ TeV in the lepton+jets channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4.2	19
632	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2017</b> , 77, 195	4.2	61
631	Measurements of top-quark pair differential cross-sections in the $[ \text{Formula: see text} ]$ channel in collisions at $[ \text{Formula: see text} ] = 13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 292	4.2	13
630	The DarkSide Experiment: Present Status and Future. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 798, 012109	0.3	6
629	Performance of algorithms that reconstruct missing transverse momentum in $[ \text{Formula: see text} ] = 8$ TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 241	4.2	38
628	Measurement of the prompt $[ \text{Formula: see text} ]$ pair production cross-section in collisions at $[ \text{Formula: see text} ] = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 76	4.2	47
627	Search for triboson $[ \text{Formula: see text} ]$ production in collisions at $[ \text{Formula: see text} ] = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 141	4.2	13

626	Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P10015-P10015	1	23
625	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , <b>2017</b> , 77, 490	4.2	177
624	Fiducial, total and differential cross-section measurements of $\gamma$ -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 531	4.2	27
623	Measurements of electroweak $[W^\pm Z]$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 474	4.2	14
622	Observation of the $\Upsilon(4140)$ structure in the $J/\psi$ mass spectrum in $B \rightarrow J/\psi K$ decays. <i>Modern Physics Letters A</i> , <b>2017</b> , 32, 1750139	1.3	27
621	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 466	4.2	42
620	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 428	4.2	48
619	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
618	Measurement of lepton differential distributions and the top quark mass in production in collisions at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 804	4.2	11
617	Measurement of the $(\overline{t}\gamma)$ production cross section in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
616	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
615	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , <b>2017</b> , 77, 673	4.2	33
614	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $[W^\pm Z]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 144	4.2	8
613	Measurement of the ZZ production cross section in proton-proton collisions at $(\sqrt{s}=8)$ TeV using the $ZZ \rightarrow \mu\mu^+ \nu\overline{\nu}$ and $(ZZ \rightarrow \ell\ell^+ \nu\overline{\nu})$ decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
612	Probing the $Wtb$ vertex structure in t-channel single-top-quark production and decay in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
611	Measurements of $\Upsilon(2S)$ and $X(3872) \rightarrow J/\psi \chi_{c0}$ production in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
610	Measurements of top-quark pair to Z-boson cross-section ratios at $(\sqrt{s}=13)$ , 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
609	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 70	4.2	52

608	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
607	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 332	4.2	29
606	Measurements of the production cross section of a [Formula: see text] boson in association with jets in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 361	4.2	26
605	Precision measurement and interpretation of inclusive , and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4.2	56
604	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 379	4.2	35
603	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 393	4.2	52
602	Measurement of charged-particle distributions sensitive to the underlying event in ( $\sqrt{s}=13$ ) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
601	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 898	4.2	19
600	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
599	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 765	4.2	10
598	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
597	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
596	Measurement of the inclusive jet cross-sections in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
595	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
594	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 580	4.2	16
593	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2017</b> , 77, 563	4.2	15
592	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ( $\sqrt{s}=13$ ) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
591	Searches for the Z decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	20

590	Studies of $Z\ell$ production in association with a high-mass dijet system in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
589	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	12
588	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \ell\ell$ in $(\sqrt{s}=13)$ TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	12
587	Study of and production in collisions at and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 646	4-2	11
586	Measurements of top quark spin observables in $(\overline{t}t)$ events using dilepton final states in $(\sqrt{s}=8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	12
585	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	8
584	Top-quark mass measurement in the all-hadronic $(\overline{t}t)$ decay channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	6
583	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	16
582	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	30
581	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb $^{-1}$ of $(\sqrt{s}=13)$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	22
580	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> , <b>2017</b> , 12, P12011-P12011	1	7
579	Search for pair production of heavy vector-like quarks decaying to high-p $T$ $W$ bosons and $b$ quarks in the lepton-plus-jets final state in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	29
578	CALISA CALibration Insertion System for the DarkSide-50 dark matter search experiment. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, T12004-T12004	1	8
577	Measurement of the $k_t$ splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	3
576	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the $t$ -channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
575	Evidence for the $(H \rightarrow \overline{b}b)$ decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	50
574	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> , <b>2017</b> , 2017, 1	5-4	126
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> , <b>2017</b> , 77, 872	4-2	19

572 THE DARKSIDE-50 EXPERIMENT: A LIQUID ARGON TARGET FOR DARK MATTER PARTICLES **2017**, 355-360

571	Results from the first use of low radioactivity argon in a dark matter search. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	89
570	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 295	4.2	28
569	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 581	4.2	148
568	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 322	4.2	35
567	Measurement of jet activity in top quark events using the e <sup>+</sup> final state with two b-tagged jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	4
566	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 291	4.2	63
565	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to WW <sup>*</sup> →e <sup>+</sup> e <sup>-</sup> with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
564	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
563	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in ( $\sqrt{s}=8$ ) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
562	Identification of high transverse momentum top quarks in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
561	A search for an excited muon decaying to a muon and two jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2016</b> , 18, 073021	2.9	1
560	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05013-P05013	1	8
559	The DarkSide awakens. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 718, 042016	0.3	4
558	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4.2	48
557	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 283	4.2	42
556	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188
555	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4.2	7



554	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
553	Searches for heavy diboson resonances in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
552	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in ( $\sqrt{s}=8$ ) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
551	Search for the Standard Model Higgs boson decaying into ( $\overline{b}b$ ) produced in association with top quarks decaying hadronically in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
550	Measurement of the CP-violating phase $\varphi_s$ and the $B^0_s$ meson decay width difference with $B^0_s \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
549	Search for squarks and gluinos in final states with jets and missing transverse momentum at [ $\sqrt{s}=13$ ] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4.2	53
548	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	24
547	A search for prompt lepton-jets in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	22
546	Search for new phenomena with photon+jet events in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
545	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at [ $\sqrt{s}=2.76$ ] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 199	4.2	39
544	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
543	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	14
542	Search for strong gravity in multijet final states produced in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
541	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [ $\sqrt{s}=8$ ] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 154	4.2	44
540	Search for new phenomena in events with at least three photons collected in collisions at [ $\sqrt{s}=8$ ] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 210	4.2	53
539	Probing lepton flavour violation via neutrinoless [ $\chi\chi$ ] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 232	4.2	12
538	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 238	4.2	6
537	Search for supersymmetry at [ $\sqrt{s}=13$ ] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 259	4.2	48



536	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	45
535	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1-46	5.4	12
534	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 5	4.2	68
533	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 6	4.2	185
532	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 11	4.2	21
531	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 4	4.2	13
530	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 45	4.2	152
529	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 55	4.2	28
528	Study of hard double-parton scattering in four-jet events in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	21
527	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
526	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 375	4.2	5
525	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 403	4.2	19
524	The DarkSide-50 outer detectors. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 718, 042062	0.3	
523	Charged-particle distributions at low transverse momentum in [Formula: see text] TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 502	4.2	37
522	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 547	4.2	25
521	Search for minimal supersymmetric standard model Higgs Bosons $\tilde{H}^0$ and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 585	4.2	28
520	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , <b>2016</b> , 76, 666	4.2	53
519	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 670	4.2	7

518	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , <b>2016</b> , 76, 526	4.2	16
517	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 541	4.2	7
516	Search for the Higgs boson produced in association with a boson and decaying to four -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 605	4.2	16
515	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 292	4.2	263
514	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 658	4.2	26
513	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at [Formula: see text] = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 565	4.2	20
512	The veto system of the DarkSide-50 experiment. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P03016-P03016	1	23
511	Measurement of the inclusive isolated prompt photon cross section in pp collisions at ( sqrt{s}=8 ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	25
510	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at ( sqrt{s}=8 ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	59
509	Search for flavour-changing neutral current top-quark decays to [Formula: see text] in [Formula: see text] collision data collected with the ATLAS detector at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 12	4.2	16
508	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 87	4.2	18
507	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 81	4.2	7
506	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> , <b>2016</b> , 2016, 1	5.4	33
505	Study of the rare decays of [Formula: see text] and [Formula: see text] into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 513	4.2	27
504	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text] $\sqrt{s}$ TeV [Formula: see text] collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 517	4.2	17
503	Search for resonances in diphoton events at ( sqrt{s}=13 ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	49
502	Search for single production of vector-like quarks decaying into in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 442	4.2	24
501	Measurement of the relative width difference of the $(\{B\}^0 \text{hbox{-}} \overline{B}^0)$ system with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5

500	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4.2	194
499	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 79	4.2	21
498	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 69	4.2	62
497	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 82	4.2	54
496	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 92	4.2	60
495	Measurement of the ( $\overline{t}t$ ) production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
494	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
493	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	29
492	Search for the ( $\overline{b}b$ ) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	64
491	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	27
490	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ( $\sqrt{s}=8$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	45
489	Search for charged Higgs bosons decaying via $H \rightarrow \tau\tau$ in fully hadronic final states using pp collision data at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	56
488	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 209	4.2	73
487	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 120	4.2	51
486	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 412	4.2	66
485	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 299	4.2	202
484	Search for a new resonance decaying to a or boson and a Higgs boson in the [Formula: see text] final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 263	4.2	46
483	Measurement of three-jet production cross-sections in [Formula: see text] collisions at 7 [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 228	4.2	18

482	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 335	4.2	56
481	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 303	4.2	49
480	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 476	4.2	104
479	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 229	4.2	38
478	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 349	4.2	94
477	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text] TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 318	4.2	44
476	Search for heavy long-lived multi-charged particles in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 362	4.2	22
475	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 466	4.2	28
474	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> , <b>2015</b> , 75, 330	4.2	32
473	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , <b>2015</b> , 75, 510	4.2	109
472	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	2
471	A search for high-mass resonances decaying to $\mu\mu$ in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
470	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	42
469	Search for lepton-flavour-violating $H \rightarrow \tau\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	46
468	Measurement of four-jet differential cross sections in ( $\sqrt{s}=8$ ) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-76	5.4	5
467	A search for ( $\overline{t}t$ ) resonances using lepton-plus-jets events in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	57
466	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
465	Measurement of charged-particle spectra in Pb+Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	49

464	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	26
463	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	91
462	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-39	5.4	66
461	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at ( $\sqrt{s}=7$ ) TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	31
460	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	65
459	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	54
458	Search for new phenomena in events with three or more charged leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
457	Summary of the searches for squarks and gluinos using ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	55
456	Determination of the top-quark pole mass using ( $\overline{t}$ ) + 1-jet events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	15
455	Measurement of the ( $\overline{t}W$ ) and ( $\overline{t}Z$ ) production cross sections in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
454	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-65	5.4	18
453	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
452	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	37
451	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	74
450	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
449	Search for [Formula: see text] decays in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 165	4.2	25
448	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 158	4.2	8
447	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 208	4.2	50



446	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow W W^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
445	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , <b>2015</b> , 75, 407	4.2	18
444	Measurement of the production and lepton charge asymmetry of [Formula: see text] bosons in Pb+Pb collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 23	4.2	31
443	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at ( $\sqrt{s}$ ) = 7 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
442	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
441	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2895	4.2	12
440	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2941	4.2	160
439	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	18
438	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2982	4.2	18
437	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3023	4.2	46
436	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	14
435	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	76
434	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> , <b>2014</b> , 2014, 1	5.4	24
433	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
432	Measurement of the production of a W boson in association with a charm quark in pp collisions at ( $\sqrt{s}$ ) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	37
431	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	120
430	Search for supersymmetry at ( $\sqrt{s}$ ) = 8 TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	39
429	Measurement of the low-mass Drell-Yan differential cross section at ( $\sqrt{s}$ ) = 7 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18



428	Search for direct top-squark pair production in final states with two leptons in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	52
427	Measurement of $t\bar{t}$ and $t\bar{t}$ production with ( $\sqrt{s}$ ) = 7 TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
426	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	6
425	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2883	4.2	41
424	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	67
423	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3130	4.2	166
422	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3117	4.2	17
421	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3168	4.2	16
420	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at ( $\sqrt{s}$ ) = 8 TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	30
419	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb <sup>-1</sup> of ( $\sqrt{s}$ ) = 8 TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	9
418	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using ( $\sqrt{s}$ ) = 8 TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	108
417	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3109	4.2	107
416	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	54
415	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at [Formula: see text] TeV in 2010. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3034	4.2	45
414	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	160
413	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3134	4.2	31
412	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3157	4.2	52
411	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3195	4.2	21

410	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	36
409	Measurement of the $Z/\bar{\nu}$ boson transverse momentum distribution in pp collisions at ( $\sqrt{s}$ )=7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	79
408	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at ( $\sqrt{s}$ ) = 8 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	31
407	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
406	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at ( $\sqrt{s}$ )=8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	38
405	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at ( $\sqrt{s}$ )=8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
404	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ( $\sqrt{s}$ )=7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	50
403	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ( $\sqrt{s}$ )=7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	34
402	Search for third generation scalar leptoquarks in pp collisions at ( $\sqrt{s}$ )=7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	30
401	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	124
400	Measurement of ZZ production in pp collisions at ( $\sqrt{s}$ )=7 TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	45
399	Search for charged Higgs bosons through the violation of lepton universality in ( $\overline{t}$ ) events using pp collision data at ( $\sqrt{s}$ )=7 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
398	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}$ )=7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	47
397	Measurement of splitting scales in $\rightarrow$ events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
396	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2465	4.2	76
395	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in ( $\sqrt{s}$ )=8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	92
394	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at ( $\sqrt{s}$ )=8 TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	64
393	Measurement of the differential cross-section of B + meson production in pp collisions at ( $\sqrt{s}$ )=7 TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	24

392	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	43
391	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4.2	276
390	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2509	4.2	71
389	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2362	4.2	25
388	Jet energy measurement with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	209
387	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2676	4.2	18
386	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ( $\sqrt{s_{NN}}=2.76$ TeV) with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	143
385	Measurement of the top quark charge in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
384	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	72
383	Measurement of isolated-photon pair production in pp collisions at ( $\sqrt{s}=7$ ;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	44
382	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	55
381	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=7$ ;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
380	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	55
379	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	44
378	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	12
377	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	41
376	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
375	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2328	4.2	30

374	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043009	2.9	15
373	An additional study of multi-muon events produced in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 278-283	4.2	
372	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	14
371	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ( $\sqrt{s} = 7$ TeV) with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
370	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2039	4.2	78
369	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2040	4.2	10
368	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4.2	42
367	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2056	4.2	78
366	Measurement of polarization in $\rightarrow$ decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4.2	17
365	Measurement of the cross section for top-quark pair production in pp collisions at ( $\sqrt{s} = 7$ TeV) with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	43
364	Jet mass and substructure of inclusive jets in ( $\sqrt{s} = 7$ TeV) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	67
363	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	10
362	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb <sup>-1</sup> of ( $\sqrt{s} = 7$ TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	48
361	A search for ( $\overline{t}t$ ) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	39
360	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in ( $\sqrt{s} = 7$ TeV) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
359	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ( $\sqrt{s}=7$ TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	31
358	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
357	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	53

356	Search for high-mass resonances decaying to dilepton final states in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	49
355	Search for anomalous production of prompt like-sign lepton pairs at ( $\sqrt{s}=7\mathrm{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	16
354	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ( $\sqrt{s}=7\mathrm{TeV}$ ) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	45
353	Search for R-parity-violating supersymmetry in events with four or more leptons in ( $\sqrt{s}=7\mathrm{TeV}$ ) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
352	Search for standard model Higgs boson production in association with a W boson at CDF. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	3
351	Search for Higgs bosons produced in association with b quarks. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	23
350	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	199
349	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ( $\sqrt{s} = 7\mathrm{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	70
348	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ( $\sqrt{s} = 7\mathrm{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
347	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4.2	82
346	A search for [Formula: see text] resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4.2	14
345	Search for second generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7\mathrm{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	35
344	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
343	Measurement of $W \mp Z$ production in proton-proton collisions at ( $\sqrt{s}=7\mathrm{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	54
342	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
341	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at ( $\sqrt{\mathbf{s}}=7\mathrm{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	18
340	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
339	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ( $\sqrt{s}=7\mathrm{TeV}$ ) proton-proton collisions. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31



338	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	34
337	Search for doubly charged Higgs bosons in like-sign dilepton final states at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	104
336	Performance of missing transverse momentum reconstruction in proton-proton collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with ATLAS. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	217
335	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
334	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
333	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \ell^\pm \nu_\ell$ ( $\ell = e, \mu$ ) events using pp collision data at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	112
332	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	52
331	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	23
330	Search for a Higgs boson in the diphoton final state in pp collisions at $\sqrt{s} = 1.96 \text{ TeV}$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 011801	7.4	5
329	Production of $\Lambda$ , $\Lambda^0$ , $\Xi$ , and $\Xi^0$ hyperons in pp collisions at $\sqrt{s} = 1.96 \text{ TeV}$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	2
328	Search for a low-mass standard model Higgs boson in the $b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 1.96 \text{ TeV}$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 181804	7.4	12
327	Search for the rare radiative decay $W \rightarrow \ell \nu \gamma$ in pp collisions at $\sqrt{s} = 1.96 \text{ TeV}$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	5
326	Study of substructure of high transverse momentum jets produced in proton-antiproton collisions at $\sqrt{s} = 1.96 \text{ TeV}$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	21
325	Search for heavy metastable particles decaying to jet pairs in pp collisions at $\sqrt{s} = 1.96 \text{ TeV}$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	14
324	Measurements of the angular distributions in the decays $B \rightarrow K^{(*)} \ell^+ \ell^-$ at CDF. <i>Physical Review Letters</i> , <b>2012</b> , 108, 081807	7.4	89
323	Evidence for a mass dependent forward-backward asymmetry in top quark pair production. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	219
322	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	103
321	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	138



320	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	16
319	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ( $\sqrt{s}=900$ ) GeV and ( $\sqrt{s}=7$ ) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	30
318	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ( $\sqrt{s}=7$ ) TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	18
317	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ( $\sqrt{s}=7\sim\text{TeV}$ ) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	41
316	Improved determination of the sample composition of dimuon events produced in ( $p\bar{p}$ ) collisions at ( $\sqrt{s}=1.96$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	1
315	Limits on the production of the standard model Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
314	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	15
313	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	44
312	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	51
311	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
310	Search for massive colored scalars in four-jet final states in ( $\sqrt{s}=7\sim\text{TeV}$ ) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
309	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ( $\sqrt{s}=7\sim\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	53
308	Measurement of W and Z production in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	11
307	Inclusive search for same-sign dilepton signatures in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	31
306	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ( $\sqrt{s} = 7$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	60
305	Measurements of the properties of $\Lambda(2595)$ , $\Lambda(2625)$ , $\Lambda(2455)$ , and $\Lambda(2520)$ baryons. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	42
304	Search for Randall-Sundrum gravitons in the diphoton channel at CDF. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	16
303	Measurement of branching ratio and $B_s^0$ lifetime in the decay $B_s^0 \rightarrow J/\psi \phi(980)$ at CDF. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	46

302	Top quark mass measurement using the template method at CDF. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	22
301	Measurement of $t\bar{t}$ spin correlation in $pp$ collisions using the CDF II detector at the Tevatron. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	42
300	Search for $B(s)(0) \rightarrow \mu^+\mu^-$ and $B(0) \rightarrow \mu^+\mu^-$ decays with CDF II. <i>Physical Review Letters</i> , <b>2011</b> , 107, 191801	7.4	64
299	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> , <b>2011</b> , 84,	4.9	7
298	Search for the Higgs boson in the all-hadronic final state using the CDF II detector. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	3
297	Measurement of event shapes in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	11
296	Measurement of the $t\bar{t}$ production cross section with an in situ calibration of b-jet identification efficiency. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	5
295	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> , <b>2011</b> , 698, 371-379	4.2	8
294	Measurement of the forward-backward asymmetry in the $B \rightarrow K^*(\ell^+\ell^-)$ decay and first observation of the $B(s)0 \rightarrow \ell^+\ell^-$ decay. <i>Physical Review Letters</i> , <b>2011</b> , 106, 161801	7.4	37
293	Search for a heavy toptlike quark in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 261801	7.4	28
292	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> , <b>2011</b> , 106, 171801	7.4	105
291	Measurement of the B lifetime using a simulation free approach for trigger bias correction. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	7
290	Search for a new heavy gauge boson $W'$ with event signature electron+missing transverse energy in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	22
289	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> , <b>2011</b> , 106, 141803	7.4	50
288	Measurement of b hadron lifetimes in exclusive decays containing a $J/\psi$ in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 121804	7.4	23
287	Search for New $T'$ particles in final states with large jet multiplicities and missing transverse energy in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 191803	7.4	23
286	Search for new heavy particles decaying to $ZZ \rightarrow llll, lljj$ in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	7
285	Measurement of the top pair production cross section in the lepton+jets channel using a jet flavor discriminant. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	10

284	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> , <b>2011</b> , 84,	4.9	13
283	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $\sqrt{s}=1.96$ TeV using events with large missing transverse energy and jets. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	6
282	Measurement of the $B(s)0$ lifetime in fully and partially reconstructed $B(s)0 \rightarrow D(s)(-)(?)X$ decays in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 272001	7.4	11
281	First search for multijet resonances in $\sqrt{s} = 1.96$ TeV $pp$ collisions. <i>Physical Review Letters</i> , <b>2011</b> , 107, 042001	7.4	35
280	Measurement of the cross section for prompt isolated diphoton production in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 102003	7.4	7
279	Measurement of polarization and search for CP violation in $B(s)0 \rightarrow \mu^+\mu^-$ decays. <i>Physical Review Letters</i> , <b>2011</b> , 107, 261802	7.4	24
278	Limits on anomalous trilinear gauge couplings in $Z\ell\ell$ events from $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 051802	7.4	24
277	Search for production of heavy particles decaying to top quarks and invisible particles in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 191801	7.4	23
276	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> , <b>2011</b> , 106, 241801	7.4	38
275	Evidence for $t\bar{t}$ production and measurement of $\sigma(t\bar{t})$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	22
274	Measurement of the cross section for prompt isolated diphoton production in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	15
273	Search for a very light CP-odd Higgs boson in top quark decays from $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 031801	7.4	11
272	Observation of the baryonic flavor-changing neutral current decay $B(0) \rightarrow \mu^+\mu^-$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 201802	7.4	95
271	Publisher's Note: Search for $B_s0 \rightarrow \mu^+\mu^-$ and $B0 \rightarrow \mu^+\mu^-$ Decays with CDF II [Phys. Rev. Lett. 107, 191801 (2011)]. <i>Physical Review Letters</i> , <b>2011</b> , 107,	7.4	34
270	Observation of $B_s0 \rightarrow J/\psi(892)0$ and $B_s0 \rightarrow J/\psi S0$ decays. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	20
269	Measurements of branching fraction ratios and CP-asymmetries in suppressed $B\bar{B} \rightarrow D(-\rightarrow K^+)K^-$ and $B\bar{B} \rightarrow D(-\rightarrow K^+)K^0$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	15
268	Search for new dielectron resonances and Randall-Sundrum gravitons at the collider detector at Fermilab. <i>Physical Review Letters</i> , <b>2011</b> , 107, 051801	7.4	19
267	Top-quark mass measurement using events with missing transverse energy and jets at CDF. <i>Physical Review Letters</i> , <b>2011</b> , 107, 232002	7.4	7

266	Measurements of direct CP violating asymmetries in charmless decays of strange bottom mesons and bottom baryons. <i>Physical Review Letters</i> , <b>2011</b> , 106, 181802	7.4	41
265	Observation of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , <b>2011</b> , 107, 102001	7.4	24
264	Measurement of the mass difference between t and $\bar{t}$ quarks. <i>Physical Review Letters</i> , <b>2011</b> , 106, 152001	7.4	24
263	Search for new physics in high pT like-sign dilepton events at CDF II. <i>Physical Review Letters</i> , <b>2011</b> , 107, 181801	7.4	16
262	Search for high mass resonances decaying to muon pairs in $\sqrt{s}=1.96$ TeV pp collisions. <i>Physical Review Letters</i> , <b>2011</b> , 106, 121801	7.4	26
261	Search for R-parity violating decays of sneutrinos to $e\bar{e}$ and $e\bar{\mu}$ pairs in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 191801	7.4	17
260	Search for technicolor particles produced in association with a W Boson at CDF. <i>Physical Review Letters</i> , <b>2010</b> , 104, 111802	7.4	6
259	Inclusive search for standard model Higgs boson production in the WW decay channel using the CDF II detector. <i>Physical Review Letters</i> , <b>2010</b> , 104, 061803	7.4	35
258	Measurement of the $\Lambda_b$ lifetime in $\Lambda_b \rightarrow \Lambda_c + \pi$ decays in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 104, 102002	7.4	24
257	Search for the production of scalar bottom quarks in pp collisions at square root( $s$ ) = 1.96 TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 081802	7.4	23
256	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> , <b>2010</b> , 104, 251801	7.4	27
255	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> , <b>2010</b> , 105, 251802	7.4	9
254	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> , <b>2010</b> , 104, 201801	7.4	55
253	Measurement of the $WW + WZ$ production cross section using the lepton + jets final state at CDF II. <i>Physical Review Letters</i> , <b>2010</b> , 104, 101801	7.4	21
252	Exclusion of an exotic top quark with $-4/3$ electric charge using soft lepton tagging. <i>Physical Review Letters</i> , <b>2010</b> , 105, 101801	7.4	14
251	Measurement of W-boson polarization in Top-Quark Decay in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 042002	7.4	30
250	Search for the Higgs boson using neural networks in events with missing energy and b-quark jets in pp collisions at square root( $s$ ) = 1.96 TeV. <i>Physical Review Letters</i> , <b>2010</b> , 104, 141801	7.4	10
249	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> , <b>2010</b> , 104, 131801	7.4	32

248	Measurement of the top quark mass and $pp \rightarrow t\bar{t}$ cross section in the all-hadronic mode with the CDF II detector. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	25
247	Measurement of the WW+WZ production cross section using a matrix element technique in lepton+jets events. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	8
246	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> , <b>2010</b> , 104, 241801	7.4	26
245	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> , <b>2010</b> , 105, 012001	7.4	54
244	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> , <b>2010</b> , 105, 131801	7.4	8
243	Search for supersymmetry with gauge-mediated breaking in diphoton events with missing transverse energy at CDF II. <i>Physical Review Letters</i> , <b>2010</b> , 104, 011801	7.4	31
242	Search for new bottomlike quark pair decays $QQ \rightarrow (tW(+)(-))(tW(+)(-))$ in same-charge dilepton events. <i>Physical Review Letters</i> , <b>2010</b> , 104, 091801	7.4	70
241	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> , <b>2010</b> , 105, 252001	7.4	34
240	Combination of Tevatron searches for the standard model Higgs boson in the W+W- decay mode. <i>Physical Review Letters</i> , <b>2010</b> , 104, 061802	7.4	104
239	Diffractional W and Z production at the Fermilab Tevatron. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	23
238	Direct top-quark width measurement at CDF. <i>Physical Review Letters</i> , <b>2010</b> , 105, 232003	7.4	23
237	Observation of single top quark production and measurement of $ V_{tb} $ with CDF. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	74
236	Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	45
235	Study of the associated production of photons and b-quark jets in $pp \rightarrow$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	20
234	Measurement of Z production in $pp \rightarrow$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	7
233	Search for anomalous production of events with two photons and additional energetic objects at CDF. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	12
232	Measurement of the $t\bar{t}$ production cross section in $pp \rightarrow$ collisions at $\sqrt{s}=1.96$ TeV using soft electron b-tagging. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	6
231	Measurement of the top pair production cross section in the dilepton decay channel in $pp \rightarrow$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	28

230	Measurement of the top quark mass in the dilepton channel using $m_{T2}$ at CDF. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	21
229	Updated 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> , <b>2010</b> , 82,	4.9	7
228	Measurements of the top-quark mass using charged particle tracking. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	19
227	Combined Tevatron upper limit on $gg \rightarrow H \rightarrow W+W$ and constraints on the Higgs boson mass in fourth-generation fermion models. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	31
226	Search for single top quark production in $pp$ collisions at $\sqrt{s}=1.96$ TeV in the missing transverse energy plus jets topology. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	15
225	Performance of the electronic readout of the ATLAS liquid argon calorimeters. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, P09003-P09003	1	25
224	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , <b>2010</b> , 70, 723-753	4.2	41
223	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , <b>2010</b> , 70, 787-821	4.2	70
222	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , <b>2010</b> , 70, 755-785	4.2	12
221	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. <i>European Physical Journal C</i> , <b>2010</b> , 70, 875-916	4.2	14
220	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , <b>2010</b> , 70, 823-874	4.2	817
219	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , <b>2010</b> , 70, 1193-1236	4.2	82
218	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	14
217	Measurement of the $W \rightarrow \ell \bar{\nu}$ and $Z/\gamma \rightarrow \ell \bar{\ell}$ production cross sections in proton-proton collisions at ( $\sqrt{s} = 7$ ; {text{TeV}}) ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	58
216	Search for new color-octet vector particle decaying to . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 691, 183-190	4.2	16
215	Measurement of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 692, 232-239	4.2	63
214	Inclusive search for squark and gluino production in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 121801	7.4	64
213	Search for high-mass resonances decaying to dimuons at CDF. <i>Physical Review Letters</i> , <b>2009</b> , 102, 091805	7.4	83



212	First observation of $B(s)(0) \rightarrow D(s)(+/-)K(-/+)$ and measurement of the ratio of branching fractions $B(B(s)(0) \rightarrow D(s)(+/-)K(-/+))/B(B(s)(0) \rightarrow D(s)(+)\pi(-))$ . <i>Physical Review Letters</i> , <b>2009</b> , 103, 191802	7.4	17
211	Observation of new charmless decays of bottom hadrons. <i>Physical Review Letters</i> , <b>2009</b> , 103, 031801	7.4	40
210	First observation of vector boson pairs in a hadronic final state at the tevatron collider. <i>Physical Review Letters</i> , <b>2009</b> , 103, 091803	7.4	18
209	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> , <b>2009</b> , 103, 201801	7.4	33
208	Direct bound on the total decay width of the top quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 042001	7.4	15
207	Search for long-lived massive charged particles in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , <b>2009</b> , 103, 021802	7.4	56
206	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> , <b>2009</b> , 102, 041801	7.4	22
205	Direct measurement of the W production charge asymmetry in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 181801	7.4	67
204	Search for the neutral current top quark decay $t \rightarrow Zc$ using the ratio of Z-boson+4 jets to W-boson+4 jets production. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	4
203	Measurement of resonance parameters of orbitally excited narrow B0 mesons. <i>Physical Review Letters</i> , <b>2009</b> , 102, 102003	7.4	32
202	Search for a Higgs boson decaying to two W bosons at CDF. <i>Physical Review Letters</i> , <b>2009</b> , 102, 021802	7.4	19
201	Search for anomalous production of events with a photon, jet, b-quark jet, and missing transverse energy. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	3
200	Search for exclusive Z-boson production and observation of high-mass $pp \rightarrow \gamma\gamma p\bar{p}l\bar{l}$ events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 222002	7.4	54
199	Search for the production of narrow $t\bar{b}$ resonances in 1.9 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 103, 041801	7.4	50
198	Evidence for a narrow near-threshold structure in the $J/\psi\varphi$ mass spectrum in $B_c \rightarrow J/\psi\varphi K$ decays. <i>Physical Review Letters</i> , <b>2009</b> , 102, 242002	7.4	211
197	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> , <b>2009</b> , 79,	4.9	26
196	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> , <b>2009</b> , 103, 101802	7.4	30
195	Precision measurement of the X(3872) mass in $J/\psi \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2009</b> , 103, 152001	7.4	71

194	Search for the decays $B_{(s)}^{0} \rightarrow e^{+} \mu^{-}$ and $B_{(s)}^{0} \rightarrow e^{+} e^{-}$ in CDF run II. <i>Physical Review Letters</i> , <b>2009</b> , 102, 201801	7.4	31
193	Top quark mass measurement in the lepton plus jets channel using a modified matrix element method. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	15
192	Search for top-quark production via flavor-changing neutral currents in W+1 jet events at CDF. <i>Physical Review Letters</i> , <b>2009</b> , 102, 151801	7.4	51
191	Observation of exclusive charmonium production and $\gamma\gamma \rightarrow \mu^{+}\mu^{-}$ in pp[over] collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 242001	7.4	126
190	Measurement of the $k(T)$ distribution of particles in jets produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 232002	7.4	10
189	Search for Gluino-Mediated Bottom Squark Production in pp[over] Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 221801	7.4	13
188	First measurement of the $t\bar{t}$ [over] differential cross section $d\sigma/dM_{\{t\bar{t}\}}$ in pp[over] collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 222003	7.4	113
187	Search for new physics in the $\mu e/\mu\mu$ T channel with a low-pT lepton threshold at the Collider Detector at Fermilab. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	5
186	Search for high-mass $e^{+}e^{-}$ resonances in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 031801	7.4	55
185	Search for the associated production of the standard-model Higgs Boson in the all-hadronic channel. <i>Physical Review Letters</i> , <b>2009</b> , 103, 221801	7.4	9
184	Search for a fermiophobic Higgs boson decaying into diphotons in pp[over] collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 103, 061803	7.4	24
183	Measurement of the top-quark mass with dilepton events selected using neuroevolution at CDF. <i>Physical Review Letters</i> , <b>2009</b> , 102, 152001	7.4	38
182	Observation of electroweak single top-quark production. <i>Physical Review Letters</i> , <b>2009</b> , 103, 092002	7.4	174
181	First measurement of the ratio of branching fractions $B(B^0 \rightarrow \bar{D}^{*+} \pi^{-})/B(B^0 \rightarrow \bar{D}^{*0} \pi^{-})$ <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	16
180	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> , <b>2009</b> , 103, 101803	7.4	87
179	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> , <b>2009</b> , 674, 160-167	4.2	17
178	Search for narrow resonances lighter than $\eta$ mesons. <i>European Physical Journal C</i> , <b>2009</b> , 62, 319-326	4.2	6
177	Observation of the $B_c$ baryon and measurement of the properties of the $B_c$ and $B_c$ baryons. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	41

176	Search for new particles decaying into dijets in proton-antiproton collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	159
175	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> , <b>2009</b> , 80,	4.9	26
174	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> , <b>2009</b> , 80,	4.9	9
173	Global search for new physics with $2.0 \text{ fb}^{-1}$ at CDF. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	44
172	Measurement of the $t\bar{t}$ cross section in $pp$ collisions at $s=1.96$ TeV using dilepton events with a lepton plus track selection. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	11
171	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> , <b>2009</b> , 80,	4.9	6
170	Measurement of the ratio of branching fractions $B(B \rightarrow J/\psi)/B(B \rightarrow J/\psi \gamma)$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	2
169	Search for the rare decays $B^+ \rightarrow \mu^+ \bar{\nu}_\mu$ , $B^0 \rightarrow \mu^\pm \bar{\nu}_\mu^* (892)^0$ , and $B_s^0 \rightarrow \mu^\pm \bar{\nu}_\mu$ at CDF. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	18
168	Measurement of the $t\bar{t}$ production cross section in $2 \text{ fb}^{-1}$ of $pp$ collisions at $s=1.96$ TeV using lepton plus jets events with soft muon b tagging. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	13
167	Top quark mass measurement in the $t\bar{t}$ all hadronic channel using a matrix element technique in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	10
166	Measurement of the top quark mass using the invariant mass of lepton pairs in soft muon b-tagged events. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	7
165	Search for WW and WZ production in lepton plus jets final state at CDF. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	1
164	Measurement of the fraction of $t\bar{t}$ production via gluon-gluon fusion in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	12
163	Measurement of particle production and inclusive differential cross sections in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	43
162	First simultaneous measurement of the top quark mass in the lepton+jets and dilepton channels at CDF. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	25
161	Measurement of the b-hadron production cross section using decays to $D^0 X$ final states in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	18
160	Searching the inclusive $t \rightarrow b$ signature for radiative top quark decay and non-standard-model processes. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	5
159	Measurement of the top quark mass at CDF using the Beutrinov ? weighting template method on a lepton plus isolated track sample. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	10

158	Measurement of inclusive jet cross sections in $Z/\gamma^*(\rightarrow e^+e^-) + \text{jets}$ production in $pp[\text{over}]$ collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 102001	7.4	60
157	Search for chargino-neutralino production in $pp[\text{over}]$ collisions at $s=1.96$ TeV with high- $p_T$ leptons. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	11
156	Observation of exclusive dijet production at the Fermilab Tevatron $p\bar{p}$ collider. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	62
155	First run II measurement of the W boson mass at the Fermilab Tevatron. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	44
154	Limits on the production of narrow $t\bar{t}$ resonances in $pp[\text{over}]$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	34
153	First measurement of the fraction of top-quark pair production through gluon-gluon fusion. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	9
152	Measurement of the cross section for W-boson production in association with jets in $pp[\text{over}]$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	59
151	Search for heavy, long-lived neutralinos that decay to photons at CDF II using photon timing. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	14
150	Search for third generation vector leptoquarks in $pp[\text{over}]$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	13
149	Search for new heavy particles decaying to $Z0Z0\rightarrow eeee$ in $pp[\text{over}]$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	4
148	Model-independent and quasi-model-independent search for new physics at CDF. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	30
147	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> , <b>2008</b> , 100, 091803	7.4	32
146	Measurement of the inclusive jet cross section at the Fermilab Tevatron $pp[\text{over}]$ collider using a cone-based jet algorithm. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	119
145	Search for $B_s0 \rightarrow \mu^+\mu^-$ and $B^0 \rightarrow \mu^+\mu^-$ decays with $2 \text{ fb}^{-1}$ of $pp$ collisions. <i>Physical Review Letters</i> , <b>2008</b> , 100, 101802	7.4	164
144	Search for the Higgs boson in events with missing transverse energy and b quark jets produced in $pp$ collisions at square root( $s$ )=1.96 TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 211801	7.4	13
143	Search for standard model Higgs bosons produced in association with W bosons. <i>Physical Review Letters</i> , <b>2008</b> , 100, 041801	7.4	12
142	Search for pair production of scalar top quarks decaying to a tau lepton and a b quark in $pp$ over collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 071802	7.4	15
141	Measurement of the single-top-quark production cross section at CDF. <i>Physical Review Letters</i> , <b>2008</b> , 101, 252001	7.4	44

140	Measurement of b-jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	9
139	Two-particle momentum correlations in jets produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	9
138	Measurement of correlated bb production in pp collisions at $\sqrt{s}=1.96$ GeV. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	22
137	Forward-backward asymmetry in top-quark production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 202001	7.4	177
136	Measurement of ratios of fragmentation fractions for bottom hadrons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	26
135	First observation of the decay $B_s^0 \rightarrow D_s^- D_s^+$ and measurement of its branching ratio. <i>Physical Review Letters</i> , <b>2008</b> , 100, 021803	7.4	15
134	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> , <b>2008</b> , 101, 251801	7.4	52
133	Strong evidence for ZZ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 201801	7.4	28
132	Search for standard model Higgs boson production in association with a W boson at CDF. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10
131	Search for the Higgs boson produced in association with $Z \rightarrow l+l$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 251803	7.4	4
130	Measurement of Lifetime and Decay-Width Difference in $B_{s1}^0 \rightarrow J/\psi \varphi$ Decays. <i>Physical Review Letters</i> , <b>2008</b> , 100, 121803	7.4	36
129	Search for resonant $t\bar{t}$ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 231801	7.4	37
128	Observation of orbitally excited B(s) mesons. <i>Physical Review Letters</i> , <b>2008</b> , 100, 082001	7.4	73
127	Search for heavy toplike quarks using lepton plus jets events in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , <b>2008</b> , 100, 161803	7.4	30
126	Search for doubly charged Higgs bosons with lepton-flavor-violating decays involving tau leptons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 121801	7.4	42
125	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> , <b>2008</b> , 101, 192002	7.4	50
124	Evidence for $D^0$ - $\bar{D}^0$ mixing using the CDF II detector. <i>Physical Review Letters</i> , <b>2008</b> , 100, 121802	7.4	91
123	Observation of the decay $B_c^{+/-} \rightarrow J/\psi \pi^{+/-}$ and measurement of the $B_c^{+/-}$ mass. <i>Physical Review Letters</i> , <b>2008</b> , 100, 182002	7.4	90



122	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[s]=1.96 TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 181602	7.4	72
121	First flavor-tagged determination of bounds on mixing-induced CP violation in $B_s^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review Letters</i> , <b>2008</b> , 100, 161802	7.4	161
120	Direct measurement of the W Boson width in pp collisions at square roots = 1.96 TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 071801	7.4	11
119	Event reconstruction algorithms for the ATLAS trigger. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 119, 022022	0.3	
118	Measurement of the $B^+$ production cross section in pp collisions at $\sqrt{s}=1.96$ GeV. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	45
117	Search for new physics in lepton+photon+X events with $929 \text{ pb}^{-1}$ of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	10
116	Search for exotic $S=\frac{1}{2}$ baryons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	7
115	Measurement of the top quark mass in pp collisions at $\sqrt{s}=1.96$ TeV using the decay length technique. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	12
114	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> , <b>2007</b> , 75,	4.9	24
113	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2007</b> , 34, 2457-2544	2.9	174
112	Limits on anomalous triple gauge couplings in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	16
111	Searches for direct pair production of supersymmetric top and supersymmetric bottom quarks in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	27
110	Measurement of the top-quark mass using missing ET+jets events with secondary vertex b-tagging at CDF II. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	7
109	Analysis of the quantum numbers $J^{PC}$ of the $X(3872)$ particle. <i>Physical Review Letters</i> , <b>2007</b> , 98, 132002	7.4	159
108	Measurement of the $pp \rightarrow t\bar{t}$ production cross section and the top quark mass at $\sqrt{s}=1.96$ TeV in the all-hadronic decay mode. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	23
107	Search for exclusive $\gamma\gamma$ production in Hadron-Hadron collisions. <i>Physical Review Letters</i> , <b>2007</b> , 99, 242002	7.4	56
106	Measurement of the $\Lambda_b^0$ lifetime in $\Lambda_b^0 \rightarrow J/\psi \Lambda^0$ in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 122001	7.4	22
105	Polarizations of $J/\psi$ and $\psi(2S)$ mesons produced in pp collisions at square root $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 99, 132001	7.4	165

104	Measurement of the ratios of branching fractions $B(B_0^s \rightarrow D_s^- \pi^+ \pi^+ \pi^-)/B(B_0^s \rightarrow D^- \pi^+ \pi^+ \pi^-)$ and $B(B_0^s \rightarrow D_s^- \pi^+)/B(B_0^s \rightarrow D^- \pi^+)$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 061802	7.4	12
103	Measurement of the inclusive jet cross section using the kT algorithm in $pp$ collisions at $\sqrt{s}=1.96$ TeV with the CDF II detector. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	89
102	Search for chargino-neutralino production in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 99, 191806	7.4	9
101	Search for V+A current in top-quark decays in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 072001	7.4	21
100	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> , <b>2007</b> , 98, 221803	7.4	39
99	Observation of the Heavy Baryons $\Sigma_b$ and $\Sigma_b^*$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 202001	7.4	93
98	Measurement of $\sigma(\Lambda_b^0)/\sigma(B^0 \times B)(\Lambda_b^0 \rightarrow \Lambda^0 c \pi^-)/B(B^0 \rightarrow D^+ \pi^-)$ in $pp$ collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 122002	7.4	19
97	Search for anomalous production of multilepton events in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 131804	7.4	14
96	Search for new particles leading to Z+jets final states in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
95	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> , <b>2007</b> , 99, 171802	7.4	65
94	Observation of exclusive electron-positron production in hadron-hadron collisions. <i>Physical Review Letters</i> , <b>2007</b> , 98, 112001	7.4	67
93	First measurement of the W-boson mass in run II of the Tevatron. <i>Physical Review Letters</i> , <b>2007</b> , 99, 151801	7.4	37
92	Measurement of the top-quark mass in all-hadronic decays in $pp$ collisions at CDF II. <i>Physical Review Letters</i> , <b>2007</b> , 98, 142001	7.4	24
91	Observation and mass measurement of the baryon $\Xi_b^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 052002	7.4	80
90	Precise measurement of the top-quark mass in the lepton+jets topology at CDF II. <i>Physical Review Letters</i> , <b>2007</b> , 99, 182002	7.4	24
89	Search for heavy long-lived particles that decay to photons at CDF II. <i>Physical Review Letters</i> , <b>2007</b> , 99, 121801	7.4	20
88	Observation of WZ production. <i>Physical Review Letters</i> , <b>2007</b> , 98, 161801	7.4	33
87	Search for high-mass diphoton states and limits on Randall-Sundrum gravitons at CDF. <i>Physical Review Letters</i> , <b>2007</b> , 99, 171801	7.4	19

86	First measurement of the ratio of central-electron to forward-electron W partial cross sections in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 251801	7.4	2
85	Measurement of $\sigma(\chi_{c2} \rightarrow J/\psi \gamma) / \sigma(\chi_{c1} \rightarrow J/\psi \gamma)$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 232001	7.4	47
84	Search for high-mass resonances decaying to $e\mu$ in pp collisions at $\sqrt{s} = 1.69$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 211802	7.4	28
83	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> , <b>2006</b> , 96, 082002	7.4	69
82	Precision top-quark mass measurement in the lepton+jets topology in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 022004	7.4	30
81	Measurement of the ratios of branching fractions and. <i>Physical Review Letters</i> , <b>2006</b> , 96, 191801	7.4	14
80	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> , <b>2006</b> , 96, 122001	7.4	33
79	Search for neutral Higgs bosons of the minimal supersymmetric standard model decaying to tau pairs in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 011802	7.4	61
78	Top-quark mass measurement from dilepton events at CDF II. <i>Physical Review Letters</i> , <b>2006</b> , 96, 152002	7.4	21
77	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV using missing $E(T)$ + jets events with secondary vertex b tagging. <i>Physical Review Letters</i> , <b>2006</b> , 96, 202002	7.4	14
76	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 082004	7.4	59
75	Search for large extra dimensions in the production of jets and missing transverse energy in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 171802	7.4	41
74	Top quark mass measurement from dilepton events at CDF II with the matrix-element method. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	22
73	Measurement of the top quark mass using template methods on dilepton events in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	37
72	Search for a neutral Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 081802	7.4	17
71	Measurement of the $B_c^+$ meson lifetime using the decay mode $B_c^+ \rightarrow J/\psi e^+ \nu_e$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 012002	7.4	66
70	Observation of $B(0)(s) \rightarrow \Psi(2S)\Phi$ and measurement of the ratio of branching fractions $\text{Beta}(B(0)(s) \rightarrow \Psi(2S)\Phi) / \text{Beta}(B(0)(s) \rightarrow J/\Psi\Phi)$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 231801	7.4	11
69	Measurement of the dipion mass spectrum in decays. <i>Physical Review Letters</i> , <b>2006</b> , 96, 102002	7.4	104

68	Search for Higgs bosons decaying to $b\bar{b}$ and produced in association with W bosons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 081803	7.4	9
67	Search for $Z' \rightarrow e^+ e^-$ using dielectron mass and angular distribution. <i>Physical Review Letters</i> , <b>2006</b> , 96, 211801	7.4	63
66	Search for charged Higgs bosons from top quark decays in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 042003	7.4	101
65	Direct search for Dirac magnetic monopoles in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 201801	7.4	37
64	Search for scalar bottom quarks from gluino decays in collisions at. <i>Physical Review Letters</i> , <b>2006</b> , 96, 171802	7.4	11
63	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> , <b>2006</b> , 97, 211802	7.4	50
62	Measurement of the $Bs0$ - $Bs0$ oscillation frequency. <i>Physical Review Letters</i> , <b>2006</b> , 97, 062003	7.4	133
61	Measurement of bottom-quark hadron masses in exclusive $J/\psi$ decays with the CDF detector. <i>Physical Review Letters</i> , <b>2006</b> , 96, 202001	7.4	78
60	Measurement of the azimuthal angle distribution of leptons from W boson decays as a function of the W transverse momentum in $pp$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	8
59	Search for excited and exotic muons in the muon decay channel in p-p collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 191802	7.4	14
58	Measurement of the helicity of W bosons in top-quark decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	17
57	Search for new physics in lepton+photon+X events with 305 pb <sup>-1</sup> of pp collisions at [square root of $s$ ] = 1.96 TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 031801	7.4	7
56	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $s=1.96$ TeV using lepton+jets events with jet probability b-tagging. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	68
55	Measurement of the b jet cross section in events with a Z boson in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	20
54	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $s=1.96$ TeV in the all hadronic decay mode. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	13
53	Measurement of mass and width of the excited charmed meson states $D_{10}$ and $D_{2*0}$ at CDF. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	15
52	Hot topics from CDF. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2006</b> , 156, 8-11		
51	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> , <b>2006</b> , 639, 172-178	4.2	9

50	Comparison of three-jet events in $pp$ collisions at $s=1.8$ TeV to predictions from a next-to-leading order QCD calculation. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	3
49	Measurement of the forward-backward charge asymmetry from $W \rightarrow e\bar{\nu}$ production in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	61
48	Study of jet shapes in inclusive jet production in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	58
47	Measurements of bottom-antibottom azimuthal production correlations in proton-antiproton collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	25
46	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $s=1.96$ TeV using lepton plus jets events with semileptonic B decays to muons. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	31
45	Search for scalar leptoquark pairs decaying to $qq$ in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	7
44	Measurement of the $J/\psi$ meson and b-hadron production cross sections in $pp$ collisions at $s=1960$ GeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	596
43	Search for first-generation scalar leptoquarks in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	24
42	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	27
41	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $s=1.96$ TeV using kinematic fitting of b-tagged lepton+jet events. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	28
40	Search for ZZ and ZW production in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	7
39	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> , <b>2005</b> , 71,	4.9	21
38	Search for electroweak single-top-quark production in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	32
37	Measurement of the W boson polarization in top decay at CDF at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	22
36	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> , <b>2005</b> , 94, 101802	7.4	25
35	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $s=1.96$ TeV using lepton + jets events with secondary vertex b-tagging. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	217
34	Publisher's Note: Measurement of the W boson polarization in top decay at CDF at $s=1.8$ TeV [Phys. Rev. D 71, 031101 (2005)]. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	3
33	Publisher's Note: Search for scalar leptoquark pairs decaying to $qq$ in $pp$ collisions at $s=1.96$ TeV [Phys. Rev. D 71, 112001 (2005)]. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	4



32	Measurement of the cross section for $t\bar{t}$ production in $pp$ collisions using the kinematics of lepton+jets events. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	34
31	Search for Higgs bosons decaying into $b\bar{b}$ and produced in association with a vector boson in $pp$ collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 051801	7.4	13
30	Publisher's Note: Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B_d^0 \rightarrow \mu^+ \mu^-$ Decays in $pp$ Collisions with CDF II [Phys. Rev. Lett. 95, 221805 (2005)]. <i>Physical Review Letters</i> , <b>2005</b> , 95,	7.4	8
29	Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at the collider detector at fermilab. <i>Physical Review Letters</i> , <b>2005</b> , 95, 102002	7.4	38
28	Search for anomalous kinematics in $t\bar{t}$ dilepton events at CDF II. <i>Physical Review Letters</i> , <b>2005</b> , 95, 022001	7.4	8
27	Measurement of the lifetime difference between $B_s$ mass eigenstates. <i>Physical Review Letters</i> , <b>2005</b> , 94, 101803	7.4	50
26	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> , <b>2005</b> , 95, 252001	7.4	39
25	Search for supersymmetric Higgs bosons in the di-tau decay mode in $pp$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	8
24	Evidence for $B^0 \rightarrow \phi \phi$ decay and measurements of branching ratio and $A(\text{CP})$ for $B^+ \rightarrow \phi K^+$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 031801	7.4	31
23	Measurement of charged-particle multiplicities in gluon and quark jets in $pp$ collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 171802	7.4	13
22	First measurements of inclusive W and Z cross sections from run II of the fermilab tevatron collider. <i>Physical Review Letters</i> , <b>2005</b> , 94, 091803	7.4	97
21	Measurement of the cross section for prompt diphoton production in $pp$ collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 022003	7.4	33
20	Measurement of partial widths and search for direct CP violation in $D^0$ meson decays to $K^- K^+$ and $\pi^- \pi^+$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 122001	7.4	36
19	Measurement of $W\gamma$ and $Z\gamma$ production in $pp$ collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 041803	7.4	30
18	Observation of the narrow state $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in $pp$ collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 072001	7.4	469
17	Search for $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ decays in $pp$ collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 032001	7.4	57
16	Search for Kaluza-Klein graviton emission in $pp$ collisions at square root $[s] = 1.8$ TeV using the missing energy signature. <i>Physical Review Letters</i> , <b>2004</b> , 92, 121802	7.4	21
15	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> , <b>2004</b> , 70,	4.9	9

14	Heavy flavor properties of jets produced in pp interactions at $\sqrt{s}=1.8\text{TeV}$ . <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	15
13	Search for pair production of scalar top quarks in R-parity violating decay modes in pp collisions at square root of $\sqrt{s}=1.8\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 051803	7.4	18
12	Inclusive double-pomeron exchange at the fermilab tevatron p p collider. <i>Physical Review Letters</i> , <b>2004</b> , 93, 141601	7.4	10
11	Measurement of the tt production cross section in pp collisions at $\sqrt{s}=1.96\text{ TeV}$ using dilepton events. <i>Physical Review Letters</i> , <b>2004</b> , 93, 142001	7.4	55
10	Inclusive search for anomalous production of high-pT like-sign lepton pairs in pp collisions at square root $\sqrt{s} = 1.8\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 061802	7.4	9
9	Combination of CDF and D0 results on the W boson mass and width. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	41
8	Search for lepton flavor violating decays of a heavy neutral particle in p(-)p collisions at $\sqrt{s}=1.8\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2003</b> , 91, 171602	7.4	9
7	Search for a W' boson decaying to a top and bottom quark pair in 1.8 TeV pp collisions. <i>Physical Review Letters</i> , <b>2003</b> , 90, 081802	7.4	20
6	Search for long-lived charged massive particles in pp collisions at square root $\sqrt{s} = 1.8\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2003</b> , 90, 131801	7.4	46
5	Search for associated production of Upsilon and vector boson in pp collisions at $\sqrt{s}=1.8\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2003</b> , 90, 221803	7.4	11
4	Measurement of prompt charm meson production cross sections in pp collisions at square root $\sqrt{s} = 1.96\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2003</b> , 91, 241804	7.4	125
3	Search for the flavor-changing neutral current decay $D^0 \rightarrow \pi^0 \pi^0$ in pp collisions at $\sqrt{s}=1.96\text{TeV}$ . <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	8
2	The CDF-II time-of-flight detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2002</b> , 494, 416-423	1.2	17
1	Mechanical Ventilator Milano (MVM): A Novel Mechanical Ventilator Designed for Mass Scale Production in Response to the COVID-19 Pandemics		14