

Steven D Worm

List of Publications by Year in Descending Order

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

924
papers

44,405
citations

92
h-index

166
g-index

954
ext. papers

49,411
ext. citations

5
avg, IF

6.57
L-index

#	Paper	IF	Citations
924	Performance of the ATLAS Level-1 topological trigger in Run2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
923	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
922	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
921	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb ⁻¹ of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
920	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	0
919	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau} \nu_{\tau}$ events in Run2 data. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
918	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	
917	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	1
916	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using ($\sqrt{s} = 13$ TeV) proton-proton collision data. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
915	Measurement of the $t(\bar{t})t(\bar{t})$ production cross section in pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
914	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
913	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at ($\sqrt{s} = 13$, {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
912	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb ⁻¹ of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
911	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
910	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
909	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
908	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5

907	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
906	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+e^- \rightarrow e^+e^- \gamma^* \gamma^* \rightarrow e^+e^- \nu\bar{\nu})$ and $(e^+e^- \rightarrow e^+e^- \nu\bar{\nu})$ final states using 139 fb^{-1} of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
905	Search for new phenomena in final states with b-jets and missing transverse momentum in $(\sqrt{s} = 13)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
904	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $(e^+e^- \rightarrow e^+e^- \gamma^* \gamma^* \rightarrow e^+e^- \nu\bar{\nu})$ and $(e^+e^- \rightarrow e^+e^- \nu\bar{\nu})$ final states in pp collisions at $(\sqrt{s}=13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
903	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
902	Measurements of $W+W$ jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
901	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
900	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $(\sqrt{s}=13, \text{text {TeV}})$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
899	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
898	Search for supersymmetry in events with four or more charged leptons in 139 fb^{-1} of $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
897	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
896	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
895	A search for the decays of stopped long-lived particles at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
894	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	13
893	Measurement of hadronic event shapes in high-pT multijet final states at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
892	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb^{-1} of $(\sqrt{s}) = 13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
891	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
890	Measurements of WH and ZH production in the $(H \rightarrow b\bar{b})$ decay channel in pp collisions at $(13, \text{text {TeV}})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7

889	Search for dark matter in association with an energetic photon in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
888	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
887	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $(\sqrt{s} = 8, \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
886	Jet energy scale and resolution measured in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	11
885	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
884	Search for dark matter produced in association with a single top quark in $(\sqrt{s}=13)$ TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	4
883	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $(\sqrt{s}) = 13$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
882	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
881	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
880	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
879	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
878	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
877	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
876	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
875	Higgs boson production cross-section measurements and their EFT interpretation in the (4ℓ) decay channel at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	12
874	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
873	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
872	Measurement of the $Z(\rightarrow \mu\mu)$ production cross-section in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2

871	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> , 2020 , 80, 1	4.2	3
870	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> , 2020 , 80, 1	4.2	7
869	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
868	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in ($\sqrt{s}=13$) (text {TeV}) pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	50
867	Search for top squarks in events with a Higgs or Z boson using 139 fb ⁻¹ of pp collision data at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	1
866	Evidence for ($t\bar{t}$) production in the multilepton final state in proton-proton collisions at ($\sqrt{s}=13$) (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
865	Search for heavy diboson resonances in semileptonic final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
864	Search for light long-lived neutral particles produced in pp collisions at ($\sqrt{s} = 13\text{-}\text{TeV}$) and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
863	Search for a scalar partner of the top quark in the all-hadronic ($t\bar{t}$) plus missing transverse momentum final state at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	17
862	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
861	Determination of jet calibration and energy resolution in proton-proton collisions at ($\sqrt{s} = 8\text{-}\text{TeV}$) using the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
860	Measurement of J/ψ production in association with a W boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
859	Search for new resonances in mass distributions of jet pairs using 139 fb ⁻¹ of pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	20
858	Search for (\overline{t}) resonances in fully hadronic final states in pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
857	Reconstruction and identification of boosted di- τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
856	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
855	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
854	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(\ell\ell)$ decay channel at ($\sqrt{s} = 13$ TeV). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9

853	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> , 2020 , 2020, 1	5-4	13
852	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at (\sqrt{s})=13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	13
851	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> , 2020 , 2020, 1	5-4	1
850	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> , 2020 , 2020, 1	5-4	2
849	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
848	Search for the HH \rightarrow ($\overline{b}b$) 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> , 2020 , 2020, 1	5-4	5
847	Observation of the associated production of a top quark and a Z boson in pp collisions at (\sqrt{s})=13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
846	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> , 2020 , 80, 1	4-2	7
845	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> , 2020 , 2020, 1	5-4	1
844	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> , 2020 , 80, 1	4-2	8
843	Dark Matter benchmark models for early LHC Run-2 Searches: Report of the ATLAS/CMS Dark Matter Forum. <i>Physics of the Dark Universe</i> , 2020 , 27, 100371	4-4	66
842	Recommendations on presenting LHC searches for missing transverse energy signals using simplified s-channel models of dark matter. <i>Physics of the Dark Universe</i> , 2020 , 27, 100365	4-4	18
841	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at (\sqrt{s})=8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	11
840	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	8
839	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at (\sqrt{s}) = 13 TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	37
838	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> , 2019 , 79, 1	4-2	2
837	Searches for scalar leptoquarks and differential cross-section measurements in dilepton+jet events in proton-proton collisions at a centre-of-mass energy of (\sqrt{s}) = 13 TeV with the ATLAS experiment. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	15
836	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> , 2019 , 2019, 1	5-4	14

835	Search for top-quark decays $t \rightarrow Hq$ with 36 fb ⁻¹ of pp collision data at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	13
834	Measurement of VH , ($\text{H} \rightarrow \text{b}\overline{\text{b}}$) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	8
833	Measurements of W and Z boson production in pp collisions at $(\sqrt{s}=5.02)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	12
832	Performance of top-quark and (W)-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	19
831	Measurements of inclusive and differential fiducial cross-sections of ($\text{t}\overline{\text{t}}\gamma$) production in leptonic final states at $(\sqrt{s}=13\text{~text {TeV}})$ in ATLAS. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	7
830	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P03017-P03017	1	25
829	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 58	4-2	20
828	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> , 2019 , 2019, 1	5-4	21
827	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	16
826	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	26
825	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $(\sqrt{s}) = 13$ and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
824	Measurement of the top quark mass in the ($\text{t}\overline{\text{t}}\rightarrow \text{lepton+jets}$) channel from $(\sqrt{s}=8)$ TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	24
823	Search for pair production of Higgs bosons in the ($\text{b}\overline{\text{b}}\text{b}\overline{\text{b}}$) final state using proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	31
822	Constraints on mediator-based dark matter and scalar dark energy models using $(\sqrt{s}) = 13$ TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	31
821	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> , 2019 , 79, 1	4-2	18
820	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	12
819	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	7
818	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> , 2019 , 79, 1	4-2	20

817	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
816	Search for scalar resonances decaying into $\mu\mu$ events with and without b-tagged jets produced in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
815	Search for diboson resonances in hadronic final states in 139 fb $^{-1}$ of pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
814	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> , 2019 , 79,	4.2	3
813	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13 TeV. <i>European Physical Journal C</i> , 2019 , 79,	4.2	11
812	Measurement of K_S^0 and Λ^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> , 2019 , 79, 1	4.2	3
811	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> , 2019 , 2019, 1	5.4	2
810	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> , 2019 , 79, 1	4.2	14
809	Measurement of the top-quark mass in $(\bar{t}) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	12
808	Measurement of fiducial and differential (W^+W^-) production cross-sections at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
807	Measurement of ZZ production in the $\mu\mu$ final state with the ATLAS detector in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
806	Measurement of (W^{\pm}) -boson and Z-boson production cross-sections in pp collisions at $(\sqrt{s}=2.76)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	2
805	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	4
804	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
803	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> , 2019 , 79, 1	4.2	7
802	ATLAS b-jet identification performance and efficiency measurement with (\bar{t}) events in pp collisions at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	43
801	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> , 2019 , 79, 1	4.2	16
800	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> , 2019 , 79, 1	4.2	13

799	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
798	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb ⁻¹ of pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	81
797	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at ($\sqrt{s}=13$) TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
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789	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 250	4.2	28
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775	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ($\sqrt{s}=13$,text {TeV}) 2018 , 78, 1		1
774	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb of ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector 2018 , 2018, 1		1
773	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
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770	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 1007	4.2	21
769	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , 2018 , 78, 847	4.2	5
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767	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at \sqrt{s} TeV with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 401	4.2	23
766	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
765	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at ($\sqrt{s}=13$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
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761	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2018 , 78, 903	4-2	66
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759	Search for charged Higgs bosons decaying into top and bottom quarks at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	39
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754	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	48
753	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	9
752	Search for charged Higgs bosons decaying via $H_{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ in the τ -jets and τ -lepton final states with 36 fb ⁻¹ of pp collision data recorded at ($\sqrt{s}=13$) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	33
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731	Radiation hardness studies of AMS HV-CMOS 350 nm prototype chip HVStripV1. <i>Journal of Instrumentation</i> , 2017 , 12, P02010-P02010	1	3
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697	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
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695	Measurement of the inclusive jet cross-sections in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
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693	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 580	4.2	16
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688	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at ($\sqrt{s}=13$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	12
687	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$ in ($\sqrt{s}=13$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	12
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684	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	8
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682	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	16
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676	Evidence for the ($H \rightarrow \overline{b}b$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	50
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671	Search for Higgs and Z Boson Decays to $\tau\tau$ with the ATLAS Detector. <i>Physical Review Letters</i> , 2016 , 117, 111802	7.4	5
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669	Measurements of tt spin correlations and top quark polarization using dilepton final states in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	21
668	Measurement of the top quark mass using charged particles in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	10
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666	Search for pair-produced vectorlike B quarks in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	35
665	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 172302	7.4	90
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662	Measurement of the charge asymmetry in top quark pair production in pp collisions at $s=8$ TeV using a template method. <i>Physical Review D</i> , 2016 , 93,	4.9	11
661	Measurement of the top quark mass using proton-proton data at $(s)=7$ and 8 TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	69
660	Study of B Meson Production in p+Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV Using Exclusive Hadronic Decays. <i>Physical Review Letters</i> , 2016 , 116, 032301	7.4	19
659	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 052002	7.4	28
658	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 479-500	4.2	6
657	Combined search for anomalous pseudoscalar HVV couplings in $VH(H \rightarrow bb)$ production and $H \rightarrow VV$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 672-696	4.2	28
656	Measurements of tt charge asymmetry using dilepton final states in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 365-386	4.2	9

655	Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s}=13$ TeV with the ATLAS Detector at the LHC. <i>Physical Review Letters</i> , 2016 , 117, 182002	7.4	92
654	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 536	4.2	6
653	Search for dark matter particles in proton-proton collisions at ($\sqrt{s}=8$) TeV using the razor variables. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
652	Search for s channel single top quark production in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
651	Measurement of jet activity in top quark events using the eFinal state with two b-tagged jets in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	4
650	Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 372	4.2	24
649	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
648	Measurement of the ($\overline{\text{t}}\text{t}$) production cross section in the e channel in proton-proton collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	30
647	The OverMOS project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 824, 394-395	1.2	2
646	Measurement of exclusive $\text{B} \rightarrow \text{W} + \text{W}$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4.9	23
645	Evidence for exclusive $\text{B} \rightarrow \text{W} + \text{W}$ production and constraints on anomalous quartic gauge couplings in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	27
644	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 683	4.2	7
643	Searches for heavy diboson resonances in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
642	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in ($\sqrt{s}=8$) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
641	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 460	4.2	14
640	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	9
639	Phenomenological MSSM interpretation of CMS searches in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
638	Measurement of the inclusive jet cross section in pp collisions at ($\sqrt{s} = 2.76, \text{text \{TeV\}}$). <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	17

637	Measurement of [Formula: see text] production with additional jet activity, including [Formula: see text] quark jets, in the dilepton decay channel using pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 379	4.2	20
636	Measurement of the differential cross section and charge asymmetry for inclusive [Formula: see text] production at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 469	4.2	37
635	Observation of top quark pairs produced in association with a vector boson in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	18
634	Search for $W \rightarrow tb$ in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
633	Correlations between jets and charged particles in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
632	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
631	Search for excited leptons in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
630	Measurement of the ratio $B(\mathrm{Bs}^0 \rightarrow J/\psi \pi^0)/B(\mathrm{Bs}^0 \rightarrow J/\psi \pi^+ \pi^-)$ in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 756, 84-102	4.2	4
629	Search for neutral MSSM Higgs bosons decaying to $\mu\mu$ in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 752, 221-246	4.2	11
628	Search for a Higgs boson decaying into $\mu\mu$ with low dilepton mass in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 341-362	4.2	13
627	Search for $W \rightarrow \tau \nu$ decaying to tau lepton and neutrino in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 755, 196-216	4.2	14
626	Search for a low-mass pseudoscalar Higgs boson produced in association with a $b\bar{b}$ pair in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 296-320	4.2	20
625	Measurement of spin correlations in $t\bar{t}$ production using the matrix element method in the muon+jets final state in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 321-346	4.2	10
624	Study of Z boson production in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 36-57	4.2	35
623	Study of built-in amplifier performance on HV-CMOS sensor for the ATLAS phase-II strip tracker upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 831, 156-160	1.2	3
622	Investigation of HV/HR-CMOS technology for the ATLAS Phase-II Strip Tracker Upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 831, 189-196	1.2	11
621	A search for pair production of new light bosons decaying into muons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 752, 146-168	4.2	51
620	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 59-80	4.2	22

619	Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 9-35	4.2	12
618	Measurement of the $[Formula: see text]$ production cross section in the all-jets final state in pp collisions at $[Formula: see text][Formula: see text]$. <i>European Physical Journal C</i> , 2016 , 76, 128	4.2	21
617	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
616	Search for massive WH resonances decaying into the $[Formula: see text]$ final state at $[Formula: see text][Formula: see text]$. <i>European Physical Journal C</i> , 2016 , 76, 237	4.2	19
615	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 755, 102-124	4.2	42
614	Measurement of the CP-violating weak phase ϕ_s and the decay width difference $\Delta\Gamma$ using the $B_s^0 \rightarrow J/\psi(1020)$ decay channel in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 97-120	4.2	26
613	Inclusive and differential measurements of the $t\bar{t}$ charge asymmetry in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 154-179	4.2	15
612	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	14
611	Measurement of top quark polarisation in t-channel single top quark production. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
610	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \text{jets}$ and $e^+e^- \rightarrow \text{jets}$ events in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28
609	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 071801	7.4	96
608	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into τ leptons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
607	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $[Formula: see text]$. <i>European Physical Journal C</i> , 2016 , 76, 13	4.2	35
606	Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh, in the final states with h $\rightarrow \tau\tau$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 755, 217-244	4.2	46
605	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 363-388	4.2	9
604	Radiation hardness of two CMOS prototypes for the ATLAS HL-LHC upgrade project.. <i>Journal of Instrumentation</i> , 2016 , 11, C02005-C02005	1	3
603	Study of hard double-parton scattering in four-jet events in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
602	Charge collection studies in irradiated HV-CMOS particle detectors. <i>Journal of Instrumentation</i> , 2016 , 11, P04007-P04007	1	23

601	Charged-particle distributions at low transverse momentum in [Formula: see text] TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 502	4.2	37
600	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 547	4.2	25
599	Search for minimal supersymmetric standard model Higgs Bosons H^\pm and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 585	4.2	28
598	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 541	4.2	7
597	Search for the Higgs boson produced in association with a boson and decaying to four b -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 605	4.2	16
596	Measurement of the [Formula: see text] cross section in pp collisions at [Formula: see text] TeV and limits on anomalous gauge couplings. <i>European Physical Journal C</i> , 2016 , 76, 401	4.2	38
595	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , 2016 , 76, 371	4.2	25
594	Reconstruction and identification of B lepton decays to hadrons and B_t at CMS. <i>Journal of Instrumentation</i> , 2016 , 11, P01019-P01019	1	75
593	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	14
592	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an [Formula: see text] pair in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 317	4.2	9
591	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. <i>Physical Review D</i> , 2016 , 94,	4.9	44
590	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	4
589	Measurement of $W+W$ production in association with one jet in proton-proton collisions at $s=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 114-133	4.2	3
588	Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $s=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 251-268	4.2	23
587	Searches for R-parity-violating supersymmetry in pp collisions at $s=8$ TeV in final states with 0 leptons. <i>Physical Review D</i> , 2016 , 94,	4.9	7
586	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high- p_T top quarks in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , 2016 , 94,	4.9	21
585	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 6-31	4.2	5
584	Angular analysis of the decay $B^0 \rightarrow K^* \mu^+ \mu^-$ from pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 424-448	4.2	59

583	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	21
582	Search for anomalous single top quark production in association with a photon in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	20
581	Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb ⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 647-665	4-2	34
580	Search for neutral resonances decaying into a Z boson and a pair of b jets or leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 369-394	4-2	33
579	Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 520-537	4-2	11
578	Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 372-392	4-2	48
577	Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 334-352	4-2	12
576	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s}=13$ TeV collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 517	4-2	17
575	Search for resonances in diphoton events at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	49
574	Measurement of the $Z\gamma\gamma$ production cross section in pp collisions at $\sqrt{s}=8$ TeV and limits on anomalous $ZZ\gamma$ and $Z\gamma\gamma$ trilinear gauge boson couplings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 448-468	4-2	10
573	ρ (nS) polarizations versus particle multiplicity in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 31-52	4-2	5
572	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 158-178	4-2	72
571	Measurement of the $W\gamma Z$ boson pair-production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 1-22	4-2	17
570	Search for lepton flavour violating decays of the Higgs boson to $e\bar{\nu}$ and $e\nu$ in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 472-500	4-2	35
569	Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2016 , 94,	4-9	41
568	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 641-662	4-2	10
567	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 178-201	4-2	4
566	Measurement of the top quark mass in the $t\bar{t}\rightarrow$ dilepton channel from $\sqrt{s}=8$ TeV ATLAS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 350-371	4-2	42

565	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
564	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 740, 83-104	4.2	47
563	Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 741, 12-37	4.2	37
562	Measurement of the production cross section ratio $\sigma(B^0(1P))/\sigma(B^-(1P))$ in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 383-402	4.2	14
561	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 503-525	4.2	17
560	Search for a standard model-like Higgs boson in the $\mu\mu$ and $e+e$ decay channels at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 744, 184-207	4.2	59
559	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 745, 5-28	4.2	20
558	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 746, 79-99	4.2	21
557	Measurement of the cross section ratio $\sigma(t\bar{t}b\bar{b})/\sigma(t\bar{t}j)$ in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 746, 132-153	4.2	15
556	Measurements of jet multiplicity and differential production cross sections of Z+jets events in proton-proton collisions at $s=7$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	24
555	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	83
554	Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	62
553	Search for monotop signatures in proton-proton collisions at $s=8$ TeV. <i>Physical Review Letters</i> , 2015 , 114, 101801	7.4	25
552	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. <i>European Physical Journal C</i> , 2015 , 75, 251	4.2	55
551	Search for displaced supersymmetry in events with an electron and a muon with large impact parameters. <i>Physical Review Letters</i> , 2015 , 114, 061801	7.4	39
550	Measurement of J/ψ and $\psi(2S)$ Prompt Double-Differential Cross Sections in pp Collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2015 , 114, 191802	7.4	41
549	Study of vector boson scattering and search for new physics in events with two same-sign leptons and two jets. <i>Physical Review Letters</i> , 2015 , 114, 051801	7.4	62
548	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	152

547	Search for supersymmetry using razor variables in events with b-tagged jets in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	41
546	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 66	4.2	21
545	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 147	4.2	50
544	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 151	4.2	33
543	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	19
542	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow J/\psi$ and $B \rightarrow J/\psi$ and $(\mathcal{B}(\mathcal{B} \rightarrow \mathcal{C})^{\pm} \rightarrow \mathcal{J}/\psi \pi^{\pm}) / (\mathcal{B}(\mathcal{B} \rightarrow \mathcal{C})^{\pm} \rightarrow \mathcal{J}/\psi \pi^{\pm})$ in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	13
541	Search for disappearing tracks in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	35
540	Study of Z production in PbPb and pp collisions at $(\sqrt{s_{NN}}=2.76)$ TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
539	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	69
538	Observation of the rare $B(s)(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
537	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $(\sqrt{s}=2.76)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
536	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 143-163	4.2	34
535	Search for narrow high-mass resonances in proton-proton collisions at $s=8$ TeV decaying to a Z and a Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 748, 255-277	4.2	30
534	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 235	4.2	250
533	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 288	4.2	37
532	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 237	4.2	48
531	Study of W boson production in pPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 750, 565-586	4.2	36
530	Measurements of the $\gamma(1S)$, $\gamma(2S)$, and $\gamma(3S)$ differential cross sections in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 749, 14-34	4.2	27

529	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 302	4.2	4
528	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 325	4.2	24
527	Angular coefficients of Z bosons produced in pp collisions at $\sqrt{s}=8$ TeV and decaying to $\mu\mu$ as a function of transverse momentum and rapidity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 750, 154-175	4.2	42
526	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 749, 560-582	4.2	78
525	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions. <i>Physical Review C</i> , 2015 , 92,	2.7	104
524	Search for the standard model Higgs boson produced through vector boson fusion and decaying to bb . <i>Physical Review D</i> , 2015 , 92,	4.9	37
523	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2015 , 92,	4.9	5
522	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	61
521	Study of final-state radiation in decays of Z bosons produced in pp collisions at 7 TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	4
520	Measurement of diffractive dissociation cross sections in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2015 , 92,	4.9	29
519	Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV. <i>Physical Review D</i> , 2015 , 92,	4.9	142
518	Search for supersymmetry with photons in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2015 , 92,	4.9	5
517	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. <i>Physical Review D</i> , 2015 , 92,	4.9	37
516	Evidence for Collective Multiparticle Correlations in p-Pb Collisions. <i>Physical Review Letters</i> , 2015 , 115, 012301	7.4	145
515	Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P06005-P06005	1	357
514	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P08010-P08010	1	141
513	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s}=8$ TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P02006-P02006	1	84
512	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $\mu\mu b\bar{b}$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 748, 221-243	4.2	48

511	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	22
510	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	19
509	Interplay and characterization of Dark Matter searches at colliders and in direct detection experiments. <i>Physics of the Dark Universe</i> , 2015 , 9-10, 51-58	4-4	36
508	Search for lepton-flavour-violating decays of the Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 749, 337-362	4-2	175
507	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 98-119	4-2	62
506	Search for heavy Majorana neutrinos in $\tau\tau + jets$ events in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 748, 144-166	4-2	58
505	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	26
504	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	33
503	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	17
502	Search for a charged Higgs boson in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	61
501	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
500	Search for a light charged Higgs boson decaying to $(\overline{c} s)$ in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5-4	33
499	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	16
498	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	
497	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	73
496	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 750, 494-519	4-2	113
495	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 212	4-2	399
494	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments. <i>Physical Review Letters</i> , 2015 , 114, 191803	7-4	709

493	Measurement of the $Z\bar{\nu}\nu$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	7
492	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2015 , 75, 186	4-2	41
491	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 542	4-2	98
490	Measurements of the [Formula: see text][Formula: see text] production cross sections in the [Formula: see text] channel in proton-proton collisions at [Formula: see text] and [Formula: see text] and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , 2015 , 75, 511	4-2	25
489	Simplified models for dark matter searches at the LHC. <i>Physics of the Dark Universe</i> , 2015 , 9-10, 8-23	4-4	196
488	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 749, 187-209	4-2	36
487	Comparison of the $Z/\bar{\nu}\nu + \text{jets}$ to $\bar{\nu}\nu + \text{jets}$ cross sections in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5
486	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	18
485	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 200-224	4-2	64
484	Measurement of the $(\overline{t}t)$ production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	43
483	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $(\sqrt{s_{NN}}) = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	60
482	Measurement of associated $W + \text{charm}$ production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	37
481	Search for new physics in events with same-sign dileptons and jets in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	38
480	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=8$ TeV in dilepton final states containing one lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 23-43	4-2	17
479	Measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 33-57	4-2	41
478	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 64-85	4-2	116
477	Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 371-397	4-2	57
476	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $(\sqrt{s_{\text{NN}}} = 5.02)$ (TeV). <i>European Physical Journal C</i> , 2014 , 74, 1	4-2	67

475	Measurement of WZ and ZZ production in pp collisions at [Formula: see text] in final states with b-tagged jets. <i>European Physical Journal C</i> , 2014 , 74, 2973	4.2	16
474	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , 2014 , 74, 2980	4.2	131
473	Measurement of jet multiplicity distributions in [Formula: see text] production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3014	4.2	11
472	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	61
471	Event activity dependence of $(Y)(nS)$ production in $(\sqrt{s_{NN}}) = 5.02$ TeV pPb and $(\sqrt{s}) = 2.76$ TeV pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
470	. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
469	Evidence for the 125 GeV Higgs boson decaying to a pair of ℓ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	101
468	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	23
467	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
466	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	81
465	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	48
464	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	21
463	Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	3
462	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	74
461	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	59
460	Measurement of the top-quark mass in all-jets [Formula: see text] events in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2014 , 74, 2758	4.2	21
459	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text] 5.02 [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2847	4.2	71
458	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2901	4.2	13

457	Inclusive search for a vector-like T quark with charge . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 729, 149-171	4.2	103
456	Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 730, 243-263	4.2	124
455	Search for baryon number violation in top-quark decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 731, 173-196	4.2	9
454	Observation of the associated production of a single top quark and a W boson in pp collisions at $\sqrt{s}=8\text{TeV}$. <i>Physical Review Letters</i> , 2014 , 112, 231802	7.4	62
453	Observation of a peaking structure in the J/ψ mass spectrum from $B\rightarrow J/\psi K$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 261-281	4.2	83
452	Search for supersymmetry in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 328-353	4.2	50
451	Measurement of prompt (χ^0) to J/ψ yield ratios in Pb-Pb and p-p collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. <i>Physical Review Letters</i> , 2014 , 113, 262301	7.4	38
450	Searches for heavy Higgs bosons in two-Higgs-doublet models and for $t\rightarrow ch$ decay using multilepton and diphoton final states in pp collisions at 8 TeV. <i>Physical Review D</i> , 2014 , 90,	4.9	43
449	Search for supersymmetry with razor variables in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physical Review D</i> , 2014 , 90,	4.9	11
448	Searches for electroweak neutralino and chargino production in channels with Higgs, Z, and W bosons in pp collisions at 8 TeV. <i>Physical Review D</i> , 2014 , 90,	4.9	62
447	Search for heavy neutrinos and [Formula: see text] bosons with right-handed couplings in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3149	4.2	149
446	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3060	4.2	29
445	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3129	4.2	29
444	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	70
443	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at ($\sqrt{s}=8\text{TeV}$) by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	37
442	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at $\sqrt{s}=8\text{TeV}$. <i>European Physical Journal C</i> , 2014 , 74, 3036	4.2	183
441	Measurement of prompt J/ψ pair production in pp collisions at ($\sqrt{s}=7\text{TeV}$). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	41
440	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 735, 204-225	4.2	19

439	Search for excited quarks in the n -jet final state in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 738, 274-293	4.2	21
438	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 229-249	4.2	56
437	Alignment of the CMS tracker with LHC and cosmic ray data. <i>Journal of Instrumentation</i> , 2014 , 9, P06009-P06009		
436	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. <i>Physical Review C</i> , 2014 , 90,	2.7	89
435	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. <i>Physical Review C</i> , 2014 , 89,	2.7	109
434	Search for top squark and Higgsino production using diphoton Higgs boson decays. <i>Physical Review Letters</i> , 2014 , 112, 161802	7.4	38
433	Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s}=8\text{TeV}$. <i>Physical Review D</i> , 2014 , 90,	4.9	64
432	Measurement of inclusive W and Z boson production cross sections in pp collisions at $\sqrt{s}=8\text{TeV}$. <i>Physical Review Letters</i> , 2014 , 112, 191802	7.4	54
431	Measurements of tt spin correlations and top-quark polarization using dilepton final states in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physical Review Letters</i> , 2014 , 112, 182001	7.4	49
430	Search for top-quark partners with charge 5/3 in the same-sign dilepton final state. <i>Physical Review Letters</i> , 2014 , 112, 171801	7.4	58
429	Search for jet extinction in the inclusive jet-pT spectrum from proton-proton collisions at $\sqrt{s}=8\text{TeV}$. <i>Physical Review D</i> , 2014 , 90,	4.9	5
428	Measurement of the W and Z inclusive cross sections in pp collisions at $\sqrt{s}=7\text{TeV}$ and limits on anomalous triple gauge boson couplings. <i>Physical Review D</i> , 2014 , 89,	4.9	28
427	Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks. <i>Physical Review D</i> , 2014 , 89,	4.9	145
426	Search for flavor-changing neutral currents in top-quark decays $t \rightarrow Zq$ in pp collisions at $\sqrt{s}=8\text{TeV}$. <i>Physical Review Letters</i> , 2014 , 112, 171802	7.4	46
425	Measurement of the muon charge asymmetry in inclusive $pp \rightarrow W+X$ production at $\sqrt{s}=7\text{TeV}$ and an improved determination of light parton distribution functions. <i>Physical Review D</i> , 2014 , 90,	4.9	63
424	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014 , 74, 3076	4.2	239
423	Search for WW and ZZ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s}=8\text{TeV}$. <i>Physical Review D</i> , 2014 , 90,	4.9	24
422	Measurement of the ratio of inclusive jet cross sections using the anti-kT algorithm with radius parameters $R=0.5$ and 0.7 in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physical Review D</i> , 2014 , 90,	4.9	36

4 ²¹	Measurement of four-jet production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	23
4 ²⁰	Measurement of the properties of a Higgs boson in the four-lepton final state. <i>Physical Review D</i> , 2014 , 89,	4.9	260
4 ¹⁹	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	45
4 ¹⁸	Study of hadronic event-shape variables in multijet final states in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	3
4 ¹⁷	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
4 ¹⁶	Description and performance of track and primary-vertex reconstruction with the CMS tracker. <i>Journal of Instrumentation</i> , 2014 , 9, P10009-P10009	1	279
4 ¹⁵	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	32
4 ¹⁴	Searches for light- and heavy-flavour three-jet resonances in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 730, 193-214	4.2	35
4 ¹³	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	144
4 ¹²	Measurement of the ($\overline{t}t$) production cross section in the dilepton channel in pp collisions at (\sqrt{s}) = 8 TeV 2014 , 2014, 1		3
4 ¹¹	Search for the associated production of the Higgs boson with a top-quark pair 2014 , 2014, 1		6
4 ¹⁰	Search for microscopic black holes in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	38
4 ⁰⁹	Measurement of the (Λ_{b}^0) lifetime in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
4 ⁰⁸	Searches for long-lived charged particles in pp collisions at (\sqrt{s}) =7 and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	96
4 ⁰⁷	Study of exclusive two-photon production of W+W in pp collisions at ($\sqrt{s}=7$) TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	56
4 ⁰⁶	Observation of a new boson with mass near 125 GeV in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	261
4 ⁰⁵	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	35
4 ⁰⁴	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39

403	Measurement of the $(\overline{\text{t}}\text{t})$ production cross section in the all-jet final state in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	14
402	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \pi^0$ in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	44
401	Study of the underlying event at forward rapidity in pp collisions at $(\sqrt{s}=0.9, 2.76, \text{and } 7 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
400	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	15
399	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	33
398	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	30
397	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	16
396	Search for supersymmetry in pp collisions at [Formula: see text] TeV in events with a single lepton, jets, and missing transverse momentum. <i>European Physical Journal C</i> , 2013 , 73, 2404	4-2	15
395	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2469	4-2	49
394	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1252-1272	4-2	16
393	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 42-61	4-2	20
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383	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
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370	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	12
369	Measurement of the inelastic proton-proton cross section at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 5-27	4.2	74
368	Event shapes and azimuthal correlations in Z+jets events in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 238-261	4.2	30

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364	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 63-82	4.2	78
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357	Search for excited leptons in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 309-329	4.2	8
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351	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 280-301	4.2	12
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342	Search for contact interactions in $\mu\mu$ events in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physical Review D</i> , 2013 , 87,	4.9	5
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336	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. <i>Physical Review D</i> , 2013 , 87,	4.9	10
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327	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. <i>Physical Review D</i> , 2013 , 87,	4.9	13
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296	Search for leptonic decays of W $^{\pm}$ bosons in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43

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282	Search for resonant ($\overline{t}t$) production in lepton+jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	25
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256	Search for charge-asymmetric production of τ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 351-370	4.2	13
255	Search for pair produced fourth-generation up-type quarks in pp collisions at $s=7$ TeV with a lepton in the final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 307-328	4.2	33
254	Search for three-jet resonances in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 329-347	4.2	24
253	Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 348-368	4.2	33
252	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. <i>Journal of Instrumentation</i> , 2012 , 7, P10002-P10002	1	398
251	Search for signatures of extra dimensions in the diphoton mass spectrum at the large hadron collider. <i>Physical Review Letters</i> , 2012 , 108, 111801	7.4	53
250	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	11
249	J/ψ and $\psi(2S)$ production in pp collisions at ($\sqrt{s} = 7$ {text{TeV}}). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	69
248	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\mu\mu$ channel in pp collisions at ($\sqrt{s} = 7$);{text{TeV}}). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
247	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \mu\mu\mu\mu$ decay channel in pp collisions at ($\sqrt{s} = 7$);{text{TeV}}). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	11
246	Search for ($\{B\}_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$) decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
245	Search for a Higgs boson in the decay channel $H \rightarrow ZZ(*) \rightarrow q(\overline{q}) \mu\mu$ in pp collisions at ($\sqrt{s} = 7$)TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	21
244	Search for microscopic black holes in pp collisions at ($\sqrt{s} = \{text{7TeV}\}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
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241	Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at $s=7$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	28
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239	Azimuthal anisotropy of charged particles at high transverse momenta in Pb-Pb collisions at $\sqrt{s(NN)} = 2.76$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 022301	7.4	95
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237	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 171803	7.4	111
236	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy. <i>Physical Review Letters</i> , 2012 , 109, 071803	7.4	46
235	Search for the standard model Higgs boson in the decay channel $H \rightarrow ZZ \rightarrow 4\mu$ in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 111804	7.4	85
234	Search for a light pseudoscalar Higgs boson in the dimuon decay channel in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 121801	7.4	51
233	Measurement of the electron charge asymmetry in inclusive W production in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 111806	7.4	65
232	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	18
231	Inclusive search for squarks and gluinos in pp collisions at $s=7$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	40
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228	Search for dark matter and large extra dimensions in pp collisions yielding a photon and missing transverse energy. <i>Physical Review Letters</i> , 2012 , 108, 261803	7.4	116
227	Observation of a new Λ baryon. <i>Physical Review Letters</i> , 2012 , 108, 252002	7.4	57
226	Performance of τ -lepton reconstruction and identification in CMS. <i>Journal of Instrumentation</i> , 2012 , 7, P01001-P01001	1	81
225	Measurement of dijet angular distributions and search for quark compositeness in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 201804	7.4	45
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218	A search for excited leptons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 143-162	4.2	8
217	Search for physics beyond the standard model using multilepton signatures in $pp \rightarrow \tau^+ \tau^- \gamma$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 411-433	4.2	28
216	Prompt and non-prompt J/ψ production in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	118
215	Measurement of the $(\text{tbar}{t})$ production cross section in pp collisions at $(\sqrt{s} = 7)$ TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	35
214	Charged particle multiplicities in pp interactions at $(\sqrt{s} = 0.9)$, 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	89
213	Measurements of inclusive W and Z cross sections in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	104
212	Search for heavy stable charged particles in pp collisions at $(\sqrt{s} = 7; \text{TeV})$. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	34
211	Inclusive b-hadron production cross section with muons in pp collisions at $(\sqrt{s} = 7; \text{TeV})$. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	21
210	Measurement of $(\overline{B} B)$ angular correlations based on secondary vertex reconstruction at $(\sqrt{s} = 7; \text{TeV})$. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	27
209	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $(\sqrt{s} = 7; \text{TeV})$. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	38
208	Measurement of Bose-Einstein correlations in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	22
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203	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	46
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198	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	28
197	Search for same-sign top-quark pair production at ($\sqrt{s} = 7$) TeV and limits on flavour changing neutral currents in the top sector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	39
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195	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	17
194	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ($\sqrt{s_{NN}} = 2.76$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	87
193	Search for new physics with jets and missing transverse momentum in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	46
192	Search for supersymmetry in pp collisions at ($\sqrt{s} = 7$) TeV in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
191	Measurement of the underlying event activity at the LHC with ($\sqrt{s} = 7$) TeV and comparison with ($\sqrt{s} = 0.9$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	70
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189	Measurement of the inclusive W and Z production cross sections in pp collisions at ($\sqrt{s} = 7$) TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	121
188	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	19

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185	Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	45
184	Measurement of the B_s^0 Production Cross Section with $B_s^0 \rightarrow J/\psi$ Decays in pp Collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	31
183	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2011 , 84,	2.7	395
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178	Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 196-218	4.2	166
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172	Measurement of the isolated prompt photon production cross section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 082001	7.4	57
171	Measurement of the $B(+) production cross section in pp collisions at \sqrt{s}=7 TeV. Physical Review Letters, 2011, 106, 112001$	7.4	59
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168	Search for supersymmetry at the LHC in events with jets and missing transverse energy. <i>Physical Review Letters</i> , 2011 , 107, 221804	7.4	188
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166	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with two photons and missing transverse energy. <i>Physical Review Letters</i> , 2011 , 106, 211802	7.4	45
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151	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at square root of $s = 7$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 022002	7.4	353
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147	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams. <i>Journal of Instrumentation</i> , 2010 , 5, T03002-T03002	1	4
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145	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. <i>Journal of Instrumentation</i> , 2010 , 5, T03008-T03008	1	15
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143	Commissioning of the CMS experiment and the cosmic run at four tesla. <i>Journal of Instrumentation</i> , 2010 , 5, T03001-T03001	1	15
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107	Search for new physics in photon-lepton events in pp collisions at $\sqrt{s} = 1.8\text{ TeV}$. <i>Physical Review Letters</i> , 2002 , 89, 041802	7.4	16
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100	Cross section and heavy quark composition of $\mu\mu$ events produced in pp collisions. <i>Physical Review D</i> , 2001 , 65,	4.9	3
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97	Search for neutral supersymmetric Higgs bosons in pp collisions at $\sqrt{s} = 1.8\text{TeV}$. <i>Physical Review Letters</i> , 2001 , 86, 4472-8	7.4	50
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93	Double diffraction dissociation at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , 2001 , 87, 141892	7.4	34
92	Measurement of the top quark mass with the collider detector at Fermilab. <i>Physical Review D</i> , 2001 , 63,	4.9	50
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89	Measurement of the differential dijet mass cross section in $p\bar{p}$ collisions at $s=1.8\text{TeV}$. <i>Physical Review D</i> , 2000 , 61,	4.9	7
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76	Transverse momentum and total cross section of e^+e^- pairs in the Z-boson region from p&p collisions at sqrt. <i>Physical Review Letters</i> , 2000 , 84, 845-50	7.4	101
75	Measurement of J/psi and psi(2S) polarization in pp collisions at sqrt[s] = 1.8 TeV. <i>Physical Review Letters</i> , 2000 , 85, 2886-91	7.4	171
74	Search for scalar top and scalar bottom quarks in pp collisions at square root s=1.8 TeV. <i>Physical Review Letters</i> , 2000 , 84, 5704-9	7.4	49
73	Production of Upsilon(1S) mesons from chi(b) decays in p&p collisions at sqrt. <i>Physical Review Letters</i> , 2000 , 84, 2094-9	7.4	97
72	Search for a fourth-generation quark more massive than the Z0 boson in p&p collisions at sqrt s = 1.8 TeV. <i>Physical Review Letters</i> , 2000 , 84, 835-40	7.4	24
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