

Maurice Garcia-Sciveres

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.

860
papers

32,467
citations

78
h-index

136
g-index

894
ext. papers

36,123
ext. citations

4.9
avg, IF

3.72
L-index

#	Paper	IF	Citations
860	Performance of the ATLAS Level-1 topological trigger in Run2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
859	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
858	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
857	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
856	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	0
855	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
854	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	
853	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
852	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
851	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
850	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
849	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
848	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
847	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
846	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
845	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
844	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

843	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
842	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+e^-e^+e^-)$ and $(e^+e^-e^+\nu_{\bar{\nu}})$ final states using 139 fb ⁻¹ of proton-proton collisions at ($\sqrt{s} = 13$), TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
841	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
840	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the (e^+e^-bb) and (e^+e^-WW) final states in pp collisions at ($\sqrt{s}=13$) (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
839	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
838	Measurements of $W+W\gamma$ 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
837	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
836	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at ($\sqrt{s}=13$, text {TeV}). <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
835	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
834	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
833	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W\gamma$ and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
832	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
831	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
830	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
829	How silicon and boron dopants govern the cryogenic scintillation properties of N-type GaAs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021 , 989, 164957	1.2	1
828	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
827	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
826	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

825	Measurements of WH and ZH production in the ($H \rightarrow \bar{b}b$) decay channel in pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
824	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
823	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
822	Measurement of single top-quark production in association with a W boson in the single-lepton channel at ($\sqrt{s} = 8$, TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
821	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
820	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
819	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
818	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
817	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
816	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
815	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
814	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
813	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
812	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
811	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
810	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ($\sqrt{s} = 13$ TeV) proton-proton collisions recorded by ATLAS in Run 2 of the LHC. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
809	Measurements of Single Event Upset in ATLAS IBL. <i>Journal of Instrumentation</i> , 2020 , 15, P06023-P06023		1
808	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

807	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
806	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ⁻¹ of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	8
805	Search for dijet resonances in events with an isolated charged lepton using $(\sqrt{s}) = 13$ TeV proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	3
804	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
803	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
802	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
801	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	30
800	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
799	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
798	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
797	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
796	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
795	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
794	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	4
793	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
792	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
791	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
790	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

789	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
788	Measurements of inclusive and differential cross-sections of combined ($\overline{\tau\tau}$) and $t\overline{t}$ production in the $e\tau$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
787	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
786	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
785	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4ℓ decay channel at $(\sqrt{s}) = 13$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	9
784	Fluctuations of anisotropic flow in Pb+Pb collisions at $(\sqrt{\mathit{s}}_{\mathit{NN}}) = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	13
783	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
782	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
781	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
780	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
779	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
778	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
777	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
776	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
775	Measurements of top-quark pair spin correlations in the $(e\mu)$ channel at $(\sqrt{s} = 13)$ TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	8
774	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $(\sqrt{s}=8\text{--}13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	11
773	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
772	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

771	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
770	Searches for scalar leptoquarks and differential cross-section measurements in dilepton+ijet 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
769	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
768	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
767	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
766	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
765	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
764	Measurements of inclusive and differential fiducial cross-sections of $(\text{t}\overline{\text{t}}\gamma)$ production in leptonic final states at $(\sqrt{s})=13$ TeV in ATLAS. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
763	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
762	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
761	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
760	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
759	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
758	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
757	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
756	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
755	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
754	Search for long-lived neutral particles in pp collisions at $(\sqrt{s}) = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	18

753	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
752	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
751	Measurement of $(W^{\pm}Z)$ production cross sections and gauge boson polarisation in pp collisions at $(\sqrt{s} = 13 \text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	20
750	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
749	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
748	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
747	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13 \text{ TeV}$ with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , 2019 , 79,	4.2	3
746	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
745	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
744	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
743	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
742	Measurement of the top-quark mass in $(\overline{t}) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	12
741	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
740	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
739	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
738	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
737	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
736	Measurement of (W^{\pm}) boson production in Pb+Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7

735	ATLAS b-jet identification performance and efficiency measurement with ($t\bar{t}$) events in pp collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	43
734	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at ($\sqrt{s_{NN}} = 5.02$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
733	Measurements of top-quark pair differential and double-differential cross-sections in the ($\ell\ell$)+jets channel with pp collisions at ($\sqrt{s}=13$) TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	13
732	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
731	A review of advances in pixel detectors for experiments with high rate and radiation. <i>Reports on Progress in Physics</i> , 2018 , 81, 066101	14.4	30
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729	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
728	Measurement of the Z -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
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726	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 154	4.2	23
725	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 142	4.2	35
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723	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , 2018 , 78, 186	4.2	5
722	Search for heavy resonances in the WZ and $W\gamma$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4.2	41
721	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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719	Search for heavy resonances decaying into WZ in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 24	4.2	47
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717	Commercialization of Micro-fabrication of Antenna-Coupled Transition Edge Sensor Bolometer Detectors for Studies of the Cosmic Microwave Background. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 744-751	1.3	6
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714	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
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708	Measurement of differential cross sections and W^+/W^- cross-section ratios for W boson production in association with jets at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
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706	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
705	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb^{-1} of $(\sqrt{s}=13)$ TeV pp collisions with the ATLAS detector 2018 , 2018, 1		1
704	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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691	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 903	4.2	66
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683	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
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679	Search for exclusive Higgs and Z boson decays to $\tau\tau$ and $\tau\tau$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
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650	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , 2017 , 77, 673	4.2	33
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646	Measurements of (χ_{S1}) and $X(3872) \rightarrow J/\psi \chi_0$ production in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	15

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637	Measurement of charged-particle distributions sensitive to the underlying event in ($\sqrt{s}=13$) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
636	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 898	4.2	19
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611	Evidence for the ($H \rightarrow t\bar{b}$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
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595	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 538	4.2	48
594	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 283	4.2	42
593	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
592	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

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589	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
588	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
587	Search for the Standard Model Higgs boson decaying into ($\overline{b}b$) produced in association with top quarks decaying hadronically in pp collisions at (\sqrt{s} =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
586	Measurement of the CP-violating phase ϕ_s and the B^0_s meson decay width difference with $B^0_s \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
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584	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at (\sqrt{s} =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	24
583	A search for prompt lepton-jets in pp collisions at (\sqrt{s} =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	22
582	Search for new phenomena with photon+jet events in proton-proton collisions at (\sqrt{s} =13) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
581	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at [\sqrt{s}] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 199	4.2	39
580	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
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576	Search for new phenomena in events with at least three photons collected in collisions at [\sqrt{s}]= 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 210	4.2	53
575	Probing lepton flavour violation via neutrinoless [\sqrt{s}] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 232	4.2	12
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571	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1-46	5.4	12
570	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 5	4.2	68
569	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 6	4.2	185
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566	Real time tracker based upon local hit correlation circuit for silicon strip sensors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 806, 21-29	1.2	1
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564	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 55	4.2	28
563	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ($\sqrt{s}=8, \text{mathrm TeV}\}$) with the ATLAS detector 2016 , 76, 1		1
562	Recent progress of RD53 Collaboration towards next generation Pixel Read-Out Chip for HL-LHC. <i>Journal of Instrumentation</i> , 2016 , 11, C12058-C12058	1	12
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549	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
548	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 658	4.2	26
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541	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 87	4.2	18
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536	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
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534	Measurement of the relative width difference of the (\overline{B}^0 system with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
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532	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 17	4.2	194
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529	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82	4.2	54
528	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 92	4.2	60
527	Measurement of the (\overline{t}) production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
526	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
525	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	29
524	Search for the (\overline{b}) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	64
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517	Determination of spin and parity of the Higgs boson in the [Formula: see text] decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 231	4.2	15
516	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 299	4.2	202
515	Search for a new resonance decaying to a or boson and a Higgs boson in the [Formula: see text] final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 263	4.2	46
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511	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 476	4.2	104
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500	Search for lepton-flavour-violating $H \rightarrow \tau\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	46
499	Measurement of four-jet differential cross sections in ($\sqrt{s}=8$) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-76	5-4	5
498	A search for (\overline{t}) resonances using lepton-plus-jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	57
497	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	18
496	Measurement of charged-particle spectra in Pb+Pb collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	49
495	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	26
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492	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at ($\sqrt{s}=7$) TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	31
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489	Search for new phenomena in events with three or more charged leptons in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	16
488	Summary of the searches for squarks and gluinos using ($\sqrt{s}=8$) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	55
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480	Search for $[Formula: see text]$ decays in $[Formula: see text]$ collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 165	4-2	25
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473	Search for production of (WW/WZ) resonances decaying to a lepton, neutrino and jets in (pp) collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector 2015 , 75, 1		1
472	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector 2015 , 75, 1		2
471	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector 2015 , 75, 1		3
470	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider 2015 , 75, 1		3
469	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb ⁻¹ of data with the ATLAS detector 2015 , 2015, 1		3
468	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at ($\sqrt{s}=7$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	24
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457	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
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170	Measurement of b quark fragmentation fractions in the production of strange and light B mesons in pp collisions at $s=1.8\text{TeV}$. <i>Physical Review D</i> , 1999 , 60,	4.9	13
169	Search for the Flavor-Changing Neutral Current Decays $B^+ \rightarrow \mu^+\mu^+$ and $B^0 \rightarrow \mu^+\mu^0$. <i>Physical Review Letters</i> , 1999 , 83, 3378-3383	7.4	42
168	Measurement of the $B_d^0B_d^0$ oscillation frequency using dimuon data in pp collisions at $s=1.8\text{TeV}$. <i>Physical Review D</i> , 1999 , 60,	4.9	17
167	Measurement of the Top Quark Mass with the Collider Detector at Fermilab. <i>Physical Review Letters</i> , 1999 , 82, 271-276	7.4	68
166	Measurement of $b\bar{b}$ rapidity correlations in pp collisions at $s=1.8\text{TeV}$. <i>Physical Review D</i> , 1999 , 61,	4.9	6
165	Searches for new physics in diphoton events in pp collisions at $s=1.8\text{TeV}$. <i>Physical Review D</i> , 1999 , 59,	4.9	40
164	Search for New Particles Decaying to $b\bar{b}$ in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1999 , 82, 2038-2043	7.4	21
163	Kinematics of $t\bar{t}$ events at CDF. <i>Physical Review D</i> , 1999 , 59,	4.9	11
162	Measurement of B^0B^0 flavor oscillations using jet-charge and lepton flavor tagging in pp collisions at $s=1.8\text{TeV}$. <i>Physical Review D</i> , 1999 , 60,	4.9	21
161	The SVX3D integrated circuit for dead-timeless silicon strip readout. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 435, 58-64	1.2	31
160	Measurement of the CP-Violation Parameter $\sin(2\beta)$ in $B_d^0/B_{d0}^0 \rightarrow J/\psi K^0$ Decays. <i>Physical Review Letters</i> , 1998 , 81, 5513-5518	7.4	33

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158	Search for long-lived parents of Z^0 bosons in pp collisions at $s=1.8\text{TeV}$. <i>Physical Review D</i> , 1998 , 58,	4.9	18
157	Observation of $B^+ \rightarrow (\bar{D}S)K^+$ and $B^0 \rightarrow (\bar{D}S)K^*(892)^0$ decays and measurements of B-meson branching fractions into J/ψ and $(\bar{D}S)$ final states. <i>Physical Review D</i> , 1998 , 58,	4.9	19
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155	Searches for New Physics in Diphoton Events in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1998 , 81, 1791-1796	7.4	42
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150	Measurement of the Top Quark Mass. <i>Physical Review Letters</i> , 1998 , 80, 2767-2772	7.4	73
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148	Measurement of the Differential Cross Section for Events with Large Total Transverse Energy in pp Collisions at $s=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1998 , 80, 3461-3466	7.4	6
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144	Measurement of the $t\bar{t}$ Production Cross Section in pp Collisions at $s=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1998 , 80, 2773-2778	7.4	41
143	Observation of the B_c Meson in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1998 , 81, 2432-2437	7.4	242
142	Search for Chargino-Neutralino Associated Production at the Fermilab Tevatron Collider. <i>Physical Review Letters</i> , 1998 , 80, 5275-5280	7.4	28

141	Search for the rare decay $W \rightarrow \mu + \nu$ in proton-antiproton collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 1998 , 58,	4.9	3
140	Observation of Bc mesons in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 1998 , 58,	4.9	173
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138	Search for Flavor-Changing Neutral Current Decays of the Top Quark in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1998 , 80, 2525-2530	7.4	124
137	Dijet Production by Color-Singlet Exchange at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1998 , 80, 1156-1161	7.4	59
136	Measurement of the Top Quark Mass and tt Production Cross Section from Dilepton Events at the Collider Detector at Fermilab. <i>Physical Review Letters</i> , 1998 , 80, 2779-2784	7.4	73
135	Search for New Particles Decaying into bb and Produced in Association with W Bosons Decaying into $e\bar{\nu}$ at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1997 , 79, 3819-3824	7.4	21
134	First Observation of the All-Hadronic Decay of tt Pairs. <i>Physical Review Letters</i> , 1997 , 79, 1992-1997	7.4	61
133	Measurement of Double Parton Scattering in $p\bar{p}$ Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 584-589	7.4	95
132	Observation of $B^0 \rightarrow J/\psi$ at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , 1997 , 55, 1142-1152	7.9	38
131	Search for new particles decaying to dijets at CDF. <i>Physical Review D</i> , 1997 , 55, R5263-R5268	4.9	98
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129	Limits on Quark-Lepton Compositeness Scales from Dileptons Produced in 1.8 TeV pp Collisions. <i>Physical Review Letters</i> , 1997 , 79, 2198-2203	7.4	68
128	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. <i>Physical Review Letters</i> , 1997 , 79, 357-362	7.4	87
127	Evidence for $W+W$ Production in $p\bar{p}$ Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 78, 4536-4540	7.4	36
126	Search for New Gauge Bosons Decaying into Dileptons in $p\bar{p}$ Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 2192-2197	7.4	140
125	Search for First Generation Leptoquark Pair Production in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 4327-4332	7.4	44
124	Double parton scattering in $p\bar{p}$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 1997 , 56, 3811-3832	4.9	199

123	Properties of six-jet events with large six-jet mass at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , 1997 , 56, 2532-2543	4.9	3
122	Measurement of bb production correlations, B^0B^0 mixing, and a limit on β in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 1997 , 55, 2546-2558	4.9	64
121	The b and c Decays of Top Quark Pairs Produced in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 3585-3590	7.4	30
120	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1997 , 79, 2636-2641	7.4	69
119	Observation of Diffractive W-Boson Production at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1997 , 78, 2698-2703	7.4	78
118	J/ψ and $\psi(2S)$ Production in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 572-577	7.4	278
117	Search for Third Generation Leptoquarks in $p\bar{p}$ Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 78, 2906-2911	7.4	49
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111	Measurements of the B^- and B^0 meson lifetimes using semileptonic decays. <i>Physical Review Letters</i> , 1996 , 76, 4462-4467	7.4	15
110	Search for gluino and squark cascade decays at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , 1996 , 76, 2006-2010	7.4	35
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108	Observation of the Cabibbo-suppressed charmed baryon decay $\Lambda_c^+ \rightarrow p \phi$. <i>Physical Review D</i> , 1996 , 53, R1013-R1017	4.9	7
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106	Measurements of $B \rightarrow Ds + X$ decays. <i>Physical Review D</i> , 1996 , 53, 4734-4746	4.9	17

105	Ratios of bottom meson branching fractions involving J/psi mesons and determination of b quark fragmentation fractions. <i>Physical Review D</i> , 1996 , 54, 6596-6609	4.9	28
104	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab. <i>Physical Review Letters</i> , 1996 , 77, 5336-5341	7.4	70
103	Measurement of Lambda 0b Lifetime Using Lambda 0b--> Lambda +c. <i>Physical Review Letters</i> , 1996 , 77, 1439-1443	7.4	26
102	Inclusive Jet Cross Section in p-barp Collisions at sqrt s=1.8 TeV. <i>Physical Review Letters</i> , 1996 , 77, 438-443	7.4	185
101	Properties of Jets in Z Boson Events from 1.8 TeV p-barp Collisions. <i>Physical Review Letters</i> , 1996 , 77, 448-453	7.4	16
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96	Search for chargino-neutralino production in pp-bar collisions at sqrt s=1.8 TeV. <i>Physical Review Letters</i> , 1996 , 76, 4307-4311	7.4	19
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90	Measurement of the ratio of branching fractions B(D0--> pi -e+ nu e)/B(D0-->K-e+ nu e). <i>Physical Review D</i> , 1995 , 52, 2656-2660	4.9	21
89	Search for CP violation in D0 decay. <i>Physical Review D</i> , 1995 , 52, 4860-4867	4.9	14
88	Observation of the isospin-violating decay Ds*+-->D+s pi 0. <i>Physical Review Letters</i> , 1995 , 75, 3232-3236	7.4	23

87	Observation of a narrow state decaying into $\Xi + c \pi^-$. <i>Physical Review Letters</i> , 1995 , 75, 4364-4368	7.4	50
86	Search for $B \rightarrow \dots$. <i>Physical Review Letters</i> , 1995 , 75, 785-789	7.4	26
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84	Inclusive decays of B mesons to charmonium. <i>Physical Review D</i> , 1995 , 52, 2661-2672	4.9	63
83	Identification of top quarks using kinematic variables. <i>Physical Review D</i> , 1995 , 52, R2605-R2609	4.9	22
82	Measurement of the $B\text{-bar} \rightarrow D^* l \nu\text{-bar}$ branching fractions and $ V_{cb} $. <i>Physical Review D</i> , 1995 , 51, 1014-1033	4.9	33
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79	New decay modes of the $\Lambda + c$ charmed baryon. <i>Physical Review Letters</i> , 1995 , 74, 3534-3537	7.4	25
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76	Measurement of the $D + s \rightarrow \eta$. <i>Physical Review Letters</i> , 1995 , 75, 3804-3808	7.4	20
75	Study of $t\bar{p}$ collisions using total transverse energy. <i>Physical Review Letters</i> , 1995 , 75, 3997-4002	7.4	18
74	Form factor ratio measurement in $\Lambda + c \rightarrow \Lambda e^+ \nu_e$. <i>Physical Review Letters</i> , 1995 , 75, 624-628	7.4	29
73	First measurement of the rate for the inclusive radiative penguin decay $b \rightarrow s \gamma$. <i>Physical Review Letters</i> , 1995 , 74, 2885-2889	7.4	536
72	Observation of Excited Charmed Baryon States Decaying to $\Lambda + c \pi^+ \pi^-$. <i>Physical Review Letters</i> , 1995 , 74, 3331-3335	7.4	70
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67	Semileptonic Branching Fractions of Charged and Neutral B Mesons. <i>Physical Review Letters</i> , 1994 , 73, 3503-3507	7.4	13
66	Observation of $D_0 \rightarrow K^+ \pi^-$. <i>Physical Review Letters</i> , 1994 , 72, 1406-1410	7.4	37
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62	Observation of inclusive B decays to the charmed baryons $\Sigma_{c^{++}}$ and Σ_{c^0} . <i>Physical Review Letters</i> , 1994 , 73, 1472-1476	7.4	8
61	Study of the five-charged-pion decay of the tau lepton. <i>Physical Review Letters</i> , 1994 , 73, 934-938	7.4	23
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59	Measurement of Cabibbo-suppressed decays of the tau lepton. <i>Physical Review Letters</i> , 1994 , 73, 1079-1083	7.4	28
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57	Measurement of the cross section for $\gamma \gamma \rightarrow p \bar{p}$. <i>Physical Review D</i> , 1994 , 50, 5484-5490	4.9	24
56	Analysis of hadronic transitions in Upsilon ($3S$) decays. <i>Physical Review D</i> , 1994 , 49, 40-57	4.9	46
55	Exclusive hadronic B decays to charm and charmonium final states. <i>Physical Review D</i> , 1994 , 50, 43-68	4.9	110
54	Search for B_0 decays to two charged leptons. <i>Physical Review D</i> , 1994 , 49, 5701-5704	4.9	22
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47	Measurement of the ratios of form factors in the decay $D_s^+ \rightarrow B^+ve$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 337, 405-410	4.2	13
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43	Measurement of charmless semileptonic decays of B mesons. <i>Physical Review Letters</i> , 1993 , 71, 4111-4115	7.4	90
42	Measurement of the Tau Lepton Electronic Branching Fraction. <i>Physical Review Letters</i> , 1993 , 71, 3395-3396	7.4	6
41	Measurement of the tau -lepton mass. <i>Physical Review D</i> , 1993 , 47, R3671-R3675	4.9	13
40	Two measurements of $B^0\bar{B}^0$ mixing. <i>Physical Review Letters</i> , 1993 , 71, 1680-1684	7.4	73
39	Lepton asymmetry measurements in $B^-\rightarrow D^{*+}l^- \nu$ and implications for V-A and the form factors. <i>Physical Review D</i> , 1993 , 47, 791-798	4.9	29
38	Search for $\tau \rightarrow \gamma \mu^+ \mu^-$: A test of lepton number conservation. <i>Physical Review Letters</i> , 1993 , 70, 138-142	7.4	21
37	Evidence for penguin-diagram decays: First observation of $B^-\rightarrow K^{*0} \gamma$. <i>Physical Review Letters</i> , 1993 , 71, 674-678	7.4	358
36	Search for exclusive $b \rightarrow u$ semileptonic decays of B mesons. <i>Physical Review Letters</i> , 1993 , 70, 2681-2685	7.4	22
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34	Measurement of the absolute branching fraction for $D^0 \rightarrow K^- \pi^+$. <i>Physical Review Letters</i> , 1993 , 71, 3070-3074	7.4	34

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32	Measurement of exclusive Lambda c decays with a Sigma + in the final state. <i>Physical Review Letters</i> , 1993 , 71, 3255-3258	7.4	12
31	Observation of the charmed baryon Sigma c+ and measurement of the isospin mass splittings of the Sigma c. <i>Physical Review Letters</i> , 1993 , 71, 3259-3262	7.4	13
30	Measurement of the ratio $\text{scrB}(D^{++} \rightarrow \pi^0 l^+ \nu) / \text{scrB}(D^{++} \rightarrow K^0 l^+ \nu)$. <i>Physical Review Letters</i> , 1993 , 71, 1311-1315	7.4	31
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27	Study of D0 decays into K-bar0 and K-bar*0. <i>Physical Review D</i> , 1993 , 48, 4007-4017	4.9	2
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25	Search for exclusive b \rightarrow u transitions in hadronic decays of B mesons involving mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 319, 365-372	4.2	13
24	Measurements of exclusive semileptonic decays of D mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 317, 647-654	4.2	52
23	Measurement of tau decays involving eta mesons. <i>Physical Review Letters</i> , 1992 , 69, 3278-3281	7.4	44
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21	Measurement of the tau lepton electronic branching fraction. <i>Physical Review Letters</i> , 1992 , 69, 3610-3614	7.4	13
20	Measurement of baryon production in B-meson decay. <i>Physical Review D</i> , 1992 , 45, 752-770	4.9	41
19	Isospin mass splittings from precision measurements of D*-D mass differences. <i>Physical Review Letters</i> , 1992 , 69, 2046-2049	7.4	28
18	Shape studies of quark jets versus gluon jets at s=10 GeV. <i>Physical Review D</i> , 1992 , 46, 4822-4827	4.9	21
17	Inclusive and exclusive decays of B mesons to final states including charm and charmonium mesons. <i>Physical Review D</i> , 1992 , 45, 21-35	4.9	56
16	Measurements of semileptonic branching fractions of B mesons at the Upsilon (4S) resonance. <i>Physical Review D</i> , 1992 , 45, 2212-2231	4.9	61

15	Measurement of the $D^*(2010)$ branching fractions. <i>Physical Review Letters</i> , 1992 , 69, 2041-2045	7.4	88
14	D_s^+ decays to $\eta \pi^+$ and $\eta' \pi^+$. <i>Physical Review Letters</i> , 1992 , 68, 1275-1278	7.4	6
13	The CLEO II detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1992 , 320, 66-113	1.2	574
12	A measurement of the tau lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 291, 488-495	4.2	10
11	Exclusive $\chi(2P)$ production in $\psi(3S)$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 294, 139-144	4.2	7
10	Observation of the decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 283, 161-164	4.2	13
9	Unusual decay modes of D_0 and D^+ mesons. <i>Physical Review D</i> , 1991 , 44, 3383-3393	4.9	19
8	Measurement of the inclusive B^* cross section above the Upsilon ($4S$). <i>Physical Review Letters</i> , 1991 , 67, 1692-1695	7.4	29
7	Study of continuum D^{*+} spin alignment. <i>Physical Review D</i> , 1991 , 44, 593-600	4.9	9
6	Measurement of the ratio $B(D_0 \rightarrow K^* e^+ \nu e) / B(D_0 \rightarrow K e^+ \nu e)$. <i>Physical Review D</i> , 1991 , 44, 3394-3401	4.9	23
5	Inclusive $\chi(2P)$ production in Upsilon ($3S$) decay. <i>Physical Review Letters</i> , 1991 , 67, 1696-1700	7.4	30
4	Study of D_0 decays into final states with a π^0 or η . <i>Physical Review D</i> , 1991 , 43, 2836-2842	4.9	6
3	Exclusive and inclusive semileptonic decays of B mesons to D mesons. <i>Physical Review D</i> , 1991 , 43, 651-663	4.9	61
2	Study of K^* production in tau decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 251, 223-228	4.2	8
1	Measurement of the Lambda c^+ decay-asymmetry parameter. <i>Physical Review Letters</i> , 1990 , 65, 2842-2845	4.9	36