

Jochen Schieck

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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.

926 papers	23,030 citations	65 h-index	107 g-index
955 ext. papers	27,726 ext. citations	4.7 avg, IF	3.87 L-index

#	Paper	IF	Citations
926	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
925	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
924	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518	4.2	276
923	Results on light dark matter particles with a low-threshold CRESST-II detector. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	264
922	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
921	Particle-flow reconstruction and global event description with the CMS detector. <i>Journal of Instrumentation</i> , 2017 , 12, P10003-P10003	1	234
920	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
919	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
918	The CMS trigger system. <i>Journal of Instrumentation</i> , 2017 , 12, P01020-P01020	1	210
917	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
916	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199
915	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
914	Evidence for collectivity in pp collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 193-220	4.2	171
913	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
912	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 3130	4.2	166
911	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941	4.2	160
910	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	160

909	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
908	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
907	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P05011-P05011	1	152
906	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. <i>Journal of Instrumentation</i> , 2017 , 12, P02014-P02014	1	149
905	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ($\sqrt{s_{NN}}$) = 2.76 TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	143
904	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at (\sqrt{s})=7 TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
903	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	124
902	Results on low mass WIMPs using an upgraded CRESST-II detector. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	123
901	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at (\sqrt{s}) = 8TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	120
900	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at \sqrt{s} =13 TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P06015-P06015	1	118
899	First results from the CRESST-III low-mass dark matter program. <i>Physical Review D</i> , 2019 , 100,	4.9	117
898	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at \sqrt{s} =8TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 750, 494-519	4.2	113
897	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ (\overline{t}) events using pp collision data at (\sqrt{s}) = 7;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
896	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using (\sqrt{s})=8 TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	108
895	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109	4.2	107
894	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
893	Search for doubly charged Higgs bosons in like-sign dilepton final states at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
892	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103

891	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
890	Observation of $t\bar{t}\overline{\text{H}}$ Production. <i>Physical Review Letters</i> , 2018 , 120, 231801	7.4	96
889	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	92
888	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
887	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 520-551	4.2	86
886	Results on MeV-scale dark matter from a gram-scale cryogenic calorimeter operated above ground. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	84
885	Design and performance of the ABCD3TA ASIC for readout of silicon strip detectors in the ATLAS semiconductor tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 552, 292-328	1.2	83
884	Measurement of $t\bar{t}$ production with a veto on additional central jet activity in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4.2	82
883	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	4.2	82
882	Measurement of the Z/γ boson transverse momentum distribution in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79
881	Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , 2018 , 121, 121801	7.4	79
880	Observation of the Higgs boson decay to a pair of τ leptons with the CMS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 283-316	4.2	78
879	Measurement of the charge asymmetry in top quark pair production in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78
878	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
877	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	77
876	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	76
875	Search for a light charged Higgs boson in the decay channel $t\bar{t}H$ in $t\bar{t}H$ events using collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465	4.2	76
874	Search for dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 520-542	4.2	74

873	Searches for invisible decays of the Higgs boson in pp collisions at (\sqrt{s}) = 7, 8, and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	74
872	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	74
871	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
870	Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect. <i>Physical Review Letters</i> , 2017 , 118, 122301	7.4	72
869	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	72
868	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2509	4.2	71
867	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ mbox{~TeV}). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
866	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821	4.2	70
865	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
864	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	67
863	Jet mass and substructure of inclusive jets in ($\sqrt{s} = 7$;{text{TeV}}) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67
862	Search for vectorlike charge 2/3 T quarks in proton-proton collisions at (s)=8 TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	66
861	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
860	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at ($\sqrt{s}=8$) TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	64
859	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
858	The barrel modules of the ATLAS semiconductor tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 568, 642-671	1.2	63
857	Search for high-mass resonances in dilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	63
856	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69	4.2	62

855	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 221801	7.4	62
854	The (nu)-cleus experiment: a gram-scale fiducial-volume cryogenic detector for the first detection of coherent neutrino-nucleus scattering. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	62
853	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
852	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s}=8$ and 13 TeV. <i>Physical Review Letters</i> , 2016 , 117, 051802	7.4	61
851	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
850	Nuclear modification factor of D0 mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 474-496	4.2	61
849	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
848	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using (\sqrt{s}) = 7 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	60
847	Angular analysis of the decay $B^0 \rightarrow K^* \ell^+ \ell^-$ from pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 424-448	4.2	59
846	Coherent J/ ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the CMS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 489-511	4.2	58
845	Suppression and azimuthal anisotropy of prompt and nonprompt [Formula: see text] production in PbPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 252	4.2	58
844	Measurement of the W - and Z/ γ^* - production cross sections in proton-proton collisions at ($\sqrt{s} = 7$; [text{TeV}]) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
843	Suppression of $\psi(1S)$, $\psi(2S)$, and $\psi(3S)$ quarkonium states in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 357-379	4.2	57
842	Search for Narrow Resonances in Dijet Final States at $\sqrt{s}=8$ TeV with the Novel CMS Technique of Data Scouting. <i>Physical Review Letters</i> , 2016 , 117, 031802	7.4	57
841	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in fully hadronic final states using pp collision data at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	56
840	The ATLAS semiconductor tracker end-cap module. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 575, 353-389 ^{1,2}		56
839	Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 147-170	4.2	55
838	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	55

837	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	55
836	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. <i>Physical Review D</i> , 2016 , 94,	4.9	55
835	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
834	Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 710	4.2	54
833	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in ($\sqrt{s} = 8 \text{ TeV}$) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	54
832	Measurement of $W \mp Z$ production in proton-proton collisions at ($\sqrt{s}=7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	54
831	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	53
830	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s}=7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	53
829	Search for direct top-squark pair production in final states with two leptons in pp collisions at ($\sqrt{s} = 8 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	52
828	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3157	4.2	52
827	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
826	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120	4.2	51
825	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
824	Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at $\sqrt{s}=13 \text{ TeV}$. <i>Physical Review D</i> , 2018 , 97,	4.9	51
823	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	51
822	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$ and combination with 8 TeV data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 768, 57-80	4.2	50
821	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	50
820	Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s}=13 \text{ TeV}$. <i>Physical Review Letters</i> , 2018 , 120, 081801	7.4	50

819	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	50
818	Search for narrow and broad dijet resonances in proton-proton collisions at ($\sqrt{s}=13$) TeV and constraints on dark matter mediators and other new particles. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	50
817	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 303	4.2	49
816	Search for high-mass resonances decaying to dilepton final states in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	49
815	The silicon microstrip sensors of the ATLAS semiconductor tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 578, 98-118	1.2	49
814	Search for stable and long-lived massive charged particles in e+e ⁻ collisions at $\sqrt{s}=130\text{--}209\text{ GeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 572, 8-20	4.2	49
813	Search for resonant tt $\bar{\bar{t}}$ production in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	48
812	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $\tau\tau b\bar{b}$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 748, 221-243	4.2	48
811	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb ⁻¹ of ($\sqrt{s}=7$;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	48
810	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	47
809	Evidence for the Higgs boson decay to a bottom quark $\bar{\bar{t}}$ antiquark pair. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 501-532	4.2	47
808	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
807	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3023	4.2	46
806	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	46
805	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ($\sqrt{s}=8$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	45
804	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	45
803	The COSINUS project: perspectives of a NaI scintillating calorimeter for dark matter search. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	45
802	Measurement of ZZ production in pp collisions at ($\sqrt{s}=7$) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45

801	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. <i>European Physical Journal C</i> , 2014 , 74, 3034	4.2	45
800	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $(\sqrt{s}=7\text{ TeV})$ pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
799	Measurement of isolated-photon pair production in pp collisions at $(\sqrt{s}=7\text{ TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	44
798	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $(\sqrt{s}=7\text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	44
797	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	44
796	Determination of the strong coupling α_s from hadronic event shapes with $(\alpha_{\text{S}}^{\text{O}})$ and resummed QCD predictions using JADE data. <i>European Physical Journal C</i> , 2009 , 64, 351-360	4.2	44
795	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
794	Measurement of angular parameters from the decay $B^0 \rightarrow K^* \mu^+ \mu^-$ in proton-proton collisions at $s=8\text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 517-541	4.2	44
793	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $(\sqrt{s}=7\text{ TeV})$ using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
792	Measurement of the cross section for top-quark pair production in pp collisions at $(\sqrt{s}=7\text{ TeV})$ with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43
791	Measurements of the Higgs boson width and anomalous HVV couplings from on-shell and off-shell production in the four-lepton final state. <i>Physical Review D</i> , 2019 , 99,	4.9	42
790	Angular coefficients of Z bosons produced in pp collisions at $s=8\text{ TeV}$ 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
789	Measurement of the top quark mass with the template method in the $[B \rightarrow D^* \ell^+ \nu_\ell]$ channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046	4.2	42
788	Search for additional neutral MSSM Higgs bosons in the $\mu^+\mu^-$ final state in proton-proton collisions at $(\sqrt{s}=13\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	42
787	Search for direct top squark pair production in events with a $[B \rightarrow D^* \ell^+ \nu_\ell]$ boson, $[B \rightarrow D^* \ell^+ \nu_\ell]$ -jets and missing transverse momentum in $[B \rightarrow D^* \ell^+ \nu_\ell]$ TeV $[B \rightarrow D^* \ell^+ \nu_\ell]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2883	4.2	41
786	Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	41
785	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	41
784	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $(\sqrt{s}=7\text{ TeV})$ proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41

783	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 723-753	4.2	41
782	Measurement of the inelastic proton-proton cross section at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	41
781	Measurement of nuclear modification factors of $\phi(1S)$, $\phi(2S)$, and $\phi(3S)$ mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 270-293	4.2	40
780	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	40
779	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	40
778	Search for scalar top and scalar bottom quarks at $\sqrt{s} = 189$ GeV at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 456, 95-106	4.2	40
777	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pPb and PbPb collisions at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2018 , 97,	2.7	40
776	Measurement of inclusive jet cross sections in pp and PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2017 , 96,	2.7	39
775	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	39
774	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 199	4.2	39
773	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=13$ TeV using the CMS detector. <i>Journal of Instrumentation</i> , 2019 , 14, P07004-P07004	1	39
772	Search for supersymmetry at (\sqrt{s}) = 8 TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	39
771	A search for ($\overline{t}t$) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	39
770	Search for natural and split supersymmetry in proton-proton collisions at ($\sqrt{s}=13$) TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	39
769	Measurement of Prompt D^0 Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202301	7.4	39
768	Observation and measurements of the production of prompt and non-prompt $[Formula: see text]$ mesons in association with a $[Formula: see text]$ boson in $[Formula: see text]$ collisions at $[Formula: see text]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 229	4.2	38
767	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	38
766	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

765	Measurement of the $B^{\{\Box\}}$ Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{\{NN\}}}=5.02$ TeV. <i>Physical Review Letters</i> , 2017 , 119, 152301	7-4	37
764	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
763	Measurement of the production of a W boson in association with a charm quark in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	37
762	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$ <i>Physical Review D</i> , 2015 , 92,	4-9	37
761	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
760	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	37
759	Search for the Standard Model Higgs boson in the $H \rightarrow b\bar{b}$ decay mode in ($\sqrt{s} = 7, \text{TeV}$) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	37
758	Limits on the production of the standard model Higgs boson in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4-2	37
757	Search for massive colored scalars in four-jet final states in ($\sqrt{s}=7\sim 8\text{TeV}$) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4-2	37
756	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	37
755	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4-2	37
754	Search for the X(5568) State Decaying into $B_{\{s\}}^{\{0\}}\pi^{\{\Box\}}$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202005	7-4	36
753	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	36
752	Search for scalar top and scalar bottom quarks at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 545, 272-284	4-2	36
751	Search for the single production of doubly-charged Higgs bosons and constraints on their couplings from Bhabha scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 577, 93-108	4-2	36
750	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 451	4-2	36
749	Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134826	4-2	35
748	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 121803	7-4	35

747	Search for pair-produced vectorlike B quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	35
746	Study of Z boson production in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 36-57	4.2	35
745	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
744	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p+Pb Collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 082301	7.4	35
743	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	35
742	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7\sim\text{mbox{TeV}}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35
741	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
740	Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 778, 101-127	4.2	35
739	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at ($\sqrt{s}=8$) TeV and cross section ratios to 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	34
738	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 143-163	4.2	34
737	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 439	4.2	34
736	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	34
735	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ($\sqrt{s}=7\text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	34
734	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ($\sqrt{s}=\{7\};\text{TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
733	Constraints on anomalous quartic gauge boson couplings from $\ell\bar{\ell}$ and $q\bar{q}\ell\ell$ events at CERN LEP2. <i>Physical Review D</i> , 2004 , 70,	4.9	34
732	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 440-467	4.2	34
731	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	33
730	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

729	Search for a light charged Higgs boson decaying to $(\overline{\mathrm{c}}\mathrm{s})$ in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5.4	33
728	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\ell\ell$ leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 369-394	4.2	33
727	Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 752-776	4.2	32
726	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 775, 1-24	4.2	32
725	Observation of Two Excited B_{c}^{+} States and Measurement of the $B_{c}^{+}(2S)$ Mass in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 132001	7.4	31
724	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
723	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
722	Measurement of the production and lepton charge asymmetry of $[\text{Formula: see text}]$ bosons in Pb+Pb collisions at $[\text{Formula: see text}]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 23	4.2	31
721	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $[\text{Formula: see text}]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3134	4.2	31
720	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $(\sqrt{s} = 8)$ TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	31
719	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $(\sqrt{s}=7;\text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	31
718	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $(\sqrt{s}=7 \text{ TeV})$ proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
717	Inclusive search for same-sign dilepton signatures in pp collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	31
716	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. <i>Physical Review Letters</i> , 2018 , 120, 071802	7.4	30
715	Measurement of the $(\overline{\mathrm{t}}\mathrm{t})$ production cross section in the $e\ell$ 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
714	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 152-180	4.2	30
713	Search for third generation scalar leptoquarks in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	30
712	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $(\sqrt{s}=8)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30

711	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
710	Measurements of underlying-event properties using neutral and charged particles in pp collisions at (\sqrt{s} =900) GeV and (\sqrt{s} =7) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	30
709	Beam tests of ATLAS SCT silicon strip detector modules. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 538, 384-407	1.2	30
708	Search for an L \bar{L} gauge boson using Z $\rightarrow \mu\mu$ events in proton-proton collisions at \sqrt{s} =13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 345-368	4.2	29
707	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
706	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at \sqrt{s} =13 TeV. <i>European Physical Journal C</i> , 2018 , 78, 165	4.2	29
705	Search for pair production of vector-like quarks in the $b\bar{b}W^+W^-$ channel from proton-proton collisions at \sqrt{s} =13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 82-106	4.2	29
704	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at (\sqrt{s} =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
703	Observation of $Y(1S)$ pair production in proton-proton collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	29
702	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at \sqrt{s} =13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 682-705	4.2	29
701	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at (\sqrt{s} =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
700	Performance of reconstruction and identification of τ leptons decaying to hadrons and $\nu\tau$ in pp collisions at \sqrt{s} =13 TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P10005-P10005	1	29
699	Search for vector-like T and B quark pairs in final states with leptons at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	29
698	Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at \sqrt{s} =13 TeV. <i>Physical Review Letters</i> , 2017 , 119, 141802	7.4	28
697	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 466	4.2	28
696	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
695	Combined search for anomalous pseudoscalar HVV couplings in $VH(H\rightarrow b\bar{b})$ production and $H\rightarrow W^+W^-$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 672-696	4.2	28
694	Search for heavy Majorana neutrinos in $e^+e^-\rightarrow \tau^+\tau^-$ jets and $e^+e^-\rightarrow \mu^+\mu^-$ jets events in proton-proton collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28

693	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two leptons in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 785, 462-488	4.2	28
692	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	28
691	Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 791, 96-129	4.2	27
690	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , 2019 , 79, 368	4.2	27
689	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	27
688	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p+Pb Collisions at the LHC. <i>Physical Review Letters</i> , 2018 , 120, 092301	7.4	27
687	Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 142302	7.4	27
686	Evidence for exclusive W^+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
685	Measurement of the W^+W^- cross-section and first direct limits on anomalous electroweak quartic gauge couplings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 471, 293-307	4.2	27
684	Azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/c in PbPb collisions at $\sqrt{s_{\text{NN}}}=5.02\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 195-216	4.2	27
683	Measurement of prompt and nonprompt [Formula: see text] production in [Formula: see text] and [Formula: see text] collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 269	4.2	26
682	Measurement of the CP-violating weak phase ϕ_s and the decay width difference $\Delta\Gamma$ using the $\text{B}_s^0\text{-B}^0(1020)$ 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
681	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 97,	4.9	26
680	Energy-dependent light quenching in CaWO_4 crystals at mK temperatures. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	26
679	Measurement of $\text{t}\bar{\text{t}}$ and $\text{t}\bar{\text{t}}\text{Z}$ production with (\sqrt{s}) = 7 TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
678	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	26
677	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
676	Determination of $\text{H}\rightarrow\text{S}$ using OPAL hadronic event shapes at ($\sqrt{s}=91\text{mb}\rightarrow 209\text{GeV}$) and resummed NNLO calculations. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	26

675	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $s=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	26
674	A measurement of the Higgs boson mass in the diphoton decay channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135425	4.2	25
673	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2362	4.2	25
672	Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at $s=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 533-558	4.2	25
671	Search for top squark pair production in pp collisions at ($\sqrt{s}=13$) TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
670	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
669	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
668	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , 2018 , 78, 701	4.2	25
667	Search for charged Higgs bosons in the $H^\pm \rightarrow H^\pm A^0$ decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	24
666	Search for supersymmetric partners of electrons and muons in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 140-166	4.2	24
665	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	24
664	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 75	4.2	24
663	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
662	Search for single production of a vector-like T quark decaying to a Z boson and a top quark in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 574-600	4.2	24
661	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
660	Measurement of the production cross section of prompt J/ Υ mesons in association with a W \pm boson in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	24
659	Measurement of the differential cross-section of B + meson production in pp collisions at ($\sqrt{s}=7$) TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	24
658	Search for heavy gauge W $^\pm$ bosons in events with an energetic lepton and large missing transverse momentum at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 278-301	4.2	24

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656	Search for Higgs boson pair production in the $B\bar{B}$ final state in pp collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 7-36	4.2	24
655	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	24
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652	Beta/gamma and alpha backgrounds in CRESST-II Phase 2. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 030-030	6.4	23
651	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P10017-P10017	1	23
650	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2017 , 119, 221802	7.4	23
649	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	23
648	Search for Dirac magnetic monopoles in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 663, 37-42	4.2	23
647	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , 2018 , 78, 707	4.2	23
646	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ leptons at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	23
645	Measurement of the WZ production cross section in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 766, 268-290	4.2	22
644	Measurement of the [Formula: see text] production cross section using events in the [Formula: see text] final state in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 172	4.2	22
643	Measurement of the cross section for electroweak production of $Z\ell\ell$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 380-402	4.2	22
642	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 021801	7.4	22
641	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 59-80	4.2	22
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639	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 244-269	4.2	22
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637	Search for anomalous couplings in boosted WW/WZ- $\ell\ell$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 21-42	4.2	22
636	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 845	4.2	22
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634	Measurement of the ZZ production cross section and Z- $\ell\ell$ - $\ell\ell$ branching fraction in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 280-303	4.2	22
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632	A search for new phenomena in pp collisions at [Formula: see text] in final states with missing transverse momentum and at least one jet using the [Formula: see text] variable. <i>European Physical Journal C</i> , 2017 , 77, 294	4.2	21
631	Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 320-347	4.2	21
630	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 79	4.2	21
629	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	21
628	Measurements of $t\bar{t}$ spin correlations and top quark polarization using dilepton final states in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	21
627	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
626	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
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617	Measurement of the integrated and differential tt production cross sections for high-pT top quarks in pp collisions at s=8 TeV. <i>Physical Review D</i> , 2016 , 94,	4.9	21
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615	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
614	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	20
613	Measurement of quarkonium production cross sections in pp collisions at s=13TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 251-272	4.2	20
612	Search for massive resonances decaying into WW, WZ, ZZ, qW, and qZ with dijet final states at s=13 TeV. <i>Physical Review D</i> , 2018 , 97,	4.9	20
611	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
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608	Search for new long-lived particles at s=13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 432-454	4.2	20
607	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 140	4.2	20
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598	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 241802	7.4	20
597	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	20
596	Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	20
595	Measurements of the [Formula: see text] production cross section in lepton+jets final states in pp collisions at 8 [Formula: see text] and ratio of 8 to 7 [Formula: see text] cross sections. <i>European Physical Journal C</i> , 2017 , 77, 15	4.2	19
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591	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
590	Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 237	4.2	19
589	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 277	4.2	19
588	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	19
587	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	19
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585	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 965	4.2	19
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582	Measurement and interpretation of differential cross sections for Higgs boson production at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 369-396	4.2	18
581	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 364	4.2	18
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574	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	18
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571	Radiopurity of CaWO4 crystals for direct dark matter search with CRESST and EURECA. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014 , 2014, 018-018	6.4	18
570	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2676	4.2	18
569	Relative Modification of Prompt $\mu\mu$ and J/ψ Yields from pp to PbPb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2017 , 118, 162301	7.4	18
568	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18

567	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
566	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
565	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
564	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	18
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560	Search for pair production of vectorlike quarks in the fully hadronic final state. <i>Physical Review D</i> , 2019 , 100,	4.9	18
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558	Non-Gaussian elliptic-flow fluctuations in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 643-665	4.2	17
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556	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2018 , 78, 291	4.2	17
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554	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 398-423	4.2	17
553	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
552	Measurement of polarization in $\mathrm{H}\rightarrow\mathrm{ZZ}\rightarrow 4\ell$ decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
551	Search for ($\overline{\mathrm{t}}\mathrm{t}$) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	17
550	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , 2017 , 77, 327	4.2	17

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545	A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 131-154	4.2	16
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541	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into leptons in pp collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
540	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134985	4.2	16
539	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
538	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at (sqrt{s}=7) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
537	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3168	4.2	16
536	Measurement of the production cross-section of (ZS) -h/0+0- in pp collisions at (sqrt{s}) = 7 TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
535	Search for anomalous production of prompt like-sign lepton pairs at (sqrt{s}=7;mathrm{TeV}) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	16
534	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	16
533	Study of moments of event shapes and a determination of S using e+e- annihilation data from JADE. <i>European Physical Journal C</i> , 2009 , 60, 181	4.2	16
532	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	16

531	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
530	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16
529	Observation of the $\Lambda_b(3P)$ and $\Lambda_b(2P)$ and Measurement of their Masses. <i>Physical Review Letters</i> , 2018 , 121, 092002	7.4	16
528	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16
527	Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks. <i>Physical Review D</i> , 2018 , 97,	4.9	16
526	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s}=8$ TeV using the \cancel{E}_T variable. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 403-430	4.2	15
525	Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	15
524	First results on sub-GeV spin-dependent dark matter interactions with (7)Li. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	15
523	Search for a W^\pm boson decaying to a lepton and a neutrino in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 107-131	4.2	15
522	Measurements of ($\mathrm{t}\overline{\mathrm{t}}$) differential cross sections in proton-proton collisions at ($\sqrt{s}=13$) TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
521	Measurements of the associated production of a Z boson and b jets in pp collisions at. <i>European Physical Journal C</i> , 2017 , 77, 751	4.2	15
520	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
519	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
518	Bose-Einstein correlations in pp, pPb, and PbPb collisions at $\sqrt{s_{NN}}=0.9$ TeV. <i>Physical Review C</i> , 2018 , 97,	2.7	15
517	Search for new particles decaying to a jet and an emerging jet. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
516	Search for pair production of first-generation scalar leptoquarks at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	15
515	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134876	4.2	15
514	Measurement of the top quark charge in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	15

513	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ($\sqrt{s}=7\text{TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	15
512	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	15
511	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 435-456	4.2	15
510	Search for Higgs production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector. <i>New Journal of Physics</i> , 2013 , 15, 043009	2.9	15
509	Search for diphoton events with large missing transverse energy with 36 pb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	15
508	Search for invisibly decaying Higgs bosons in $e^+e^- \rightarrow h_0$ production at $\sqrt{s}=183\text{GeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 682, 381-390	4.2	15
507	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135087	4.2	15
506	Measurements of $t\bar{t} \rightarrow H$ Production and the CP Structure of the Yukawa Interaction between the Higgs Boson and Top Quark in the Diphoton Decay Channel. <i>Physical Review Letters</i> , 2020 , 125, 061801	7.4	15
505	Limits on dark matter effective field theory parameters with CRESST-II. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	15
504	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ Using Isolated Photon-Tagged Jets. <i>Physical Review Letters</i> , 2018 , 121, 242301	7.4	15
503	Search for high-mass resonances in final states with a lepton and missing transverse momentum at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
502	Measurement of the jet mass in highly boosted [Formula: see text] events from pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 467	4.2	14
501	Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s_{NN}}=8.16\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 791, 172-194	4.2	14
500	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	14
499	Measurement of the ($\overline{t}t$) production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
498	Pileup mitigation at CMS in 13 TeV data. <i>Journal of Instrumentation</i> , 2020 , 15, P09018-P09018	1	14
497	Search for disappearing tracks in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 806, 135502	4.2	14
496	Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 39-63	4.2	14

495	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
494	Search for W^\pm 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
493	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
492	Charged-particle angular correlations in XeXe collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physical Review C</i> , 2019 , 100,	2.7	14
491	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at (\sqrt{s}) = 8 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	14
490	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	14
489	Search for charged Higgs bosons through the violation of lepton universality in ($\overline{t}t$) events using pp collision data at ($\sqrt{s}=7$) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
488	Measurement of the strong coupling α_S from the three-jet rate in e^+e^- annihilation using JADE data. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	14
487	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 306-329	4.2	14
486	Search for Higgs boson pair production in the $b\bar{b}$ -final state in proton-proton collisions at (\sqrt{s})=8 TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	14
485	Measurement of the ($\overline{t}t$) production cross section using events with one lepton and at least one jet in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	14
484	Search for charged Higgs bosons in ee collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2076	4.2	14
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482	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. <i>European Physical Journal C</i> , 2010 , 70, 875-916	4.2	14
481	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	14
480	Multi-photon production in e^+e^- collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 465, 303-314	4.2	14
479	Exploring ($\overline{C}e\nu$ NS) with NUCLEUS at the Chooz nuclear power plant. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	14
478	Measurements of production cross sections of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 809, 135710	4.2	14

477	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
476	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	14
475	Evidence for Higgs boson decay to a pair of muons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	14
474	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two leptons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
473	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
472	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	14
471	Search for supersymmetry in events with a lepton pair and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
470	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
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468	Search for resonant ($\overline{\text{t}}\text{t}$) production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13
467	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
466	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 325	4.2	13
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464	Search for a Higgs boson decaying into $\overline{\text{t}}\text{t}$ 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
463	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	13
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461	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019 , 79, 313	4.2	13
460	Search for R-parity-violating supersymmetry in events with four or more leptons in ($\sqrt{s}=7$; TeV) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13

459	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ($\sqrt{s} = 7\text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
458	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
457	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb of ATLAS data. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
456	Experimental studies of unbiased gluon jets from $e+e$ annihilations using the jet boost algorithm. <i>Physical Review D</i> , 2004 , 69,	4.9	13
455	Search for Higgs bosons and other massive states decaying into two photons in $e+e$ collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 464, 311-322	4.2	13
454	Measurement of ($\bar{t}t$) normalised multi-differential cross sections in (pp) collisions at ($\sqrt{s}=13\text{ TeV}$), and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13
453	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	13
452	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
451	Measurement of the top quark polarization and tt spin correlations using dilepton final states in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	13
450	Search for ($\bar{t}t\text{H}$) production in the all-jet final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
449	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , 2018 , 78, 891	4.2	13
448	Search for Narrow Resonances in the b-Tagged Dijet Mass Spectrum in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 201801	7.4	13
447	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 280	4.2	12
446	Measurement of the $WW + WZ$ 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
445	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
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442	Measurements of tt cross sections in association with b jets and inclusive jets and their ratio using dilepton final states in pp collisions at $s=13\text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 355-378	4.2	12

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440	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
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438	Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS. <i>Physical Review C</i> , 2017 , 96,	2.7	12
437	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
436	Measurement of the flavour composition of dijet events in pp collisions at ($\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
435	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , 2010 , 70, 755-785	4.2	12
434	Measurement of the charm structure function F_2^{charm} of the photon at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 539, 13-24	4.2	12
433	New limits on double electron capture of ^{40}Ca and ^{180}W . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016 , 43, 095202	2.9	12
432	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
431	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	12
430	Measurement of jet substructure observables in $t\bar{t}$ events from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	12
429	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
428	Studies of η and η' mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 939	4.2	12
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426	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
425	Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 778, 263-291	4.2	12
424	Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	11

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422	Search for new physics in the monophoton final state in proton-proton collisions at (\sqrt{s})=13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
421	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
420	Production of Ξ^+ baryons in proton-proton and lead-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135328	4.2	11
419	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 287	4.2	11
418	Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s}=8$ TeV using a template method. <i>Physical Review D</i> , 2016 , 93,	4.9	11
417	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
416	Search for neutral MSSM Higgs bosons decaying to $\tau\tau$ 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
415	Measurement of the associated production of a single top quark and a Z boson in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 358-384	4.2	11
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413	Search for MSSM Higgs bosons decaying to $\tau\tau$ in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134992	4.2	11
412	Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 634-656	4.2	11
411	Observation of Top Quark Production in Proton-Nucleus Collisions. <i>Physical Review Letters</i> , 2017 , 119, 242001	7.4	11
410	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at (\sqrt{s})=8) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
409	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at (\sqrt{s})=13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
408	Search for new physics with dijet angular distributions in proton-proton collisions at (\sqrt{s})=13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
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405	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	11
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402	Bose-Einstein study of position-momentum correlations of charged pions in hadronic Z^0 decays. <i>European Physical Journal C</i> , 2007 , 52, 787	4.2	11
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400	Measurement of the b quark forward-backward asymmetry around the Z^0 peak using an inclusive tag. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 546, 29-47	4.2	11
399	Measurements of differential Z boson production cross sections in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	11
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396	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
395	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2021 , 16, P05014	1	11
394	Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to lepton pairs. <i>Physical Review D</i> , 2019 , 100,	4.9	11
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392	Search for Z resonances using leptonic and hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
391	Search for the decay of a Higgs boson in the $\tau\tau$ channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
390	Search for beyond the standard model Higgs bosons decaying into a ($\mathrm{b}\overline{\mathrm{b}}$) pair in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
389	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
388	Search for new neutral Higgs bosons through the ($\mathrm{H} \rightarrow \mathrm{ZA} \rightarrow \ell\ell^+\ell\ell^-\mathrm{b}\overline{\mathrm{b}}$) process in pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10

387	A multi-dimensional search for new heavy resonances decaying to boosted $\gamma\gamma$ or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
386	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s}=8$ TeV using H \rightarrow WW decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
385	Measurement of the top quark mass using charged particles in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	10
384	Search for supersymmetry in pp collisions at $\sqrt{s}=8$ TeV in final states with boosted W bosons and b jets using razor variables. <i>Physical Review D</i> , 2016 , 93,	4.9	10
383	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
382	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
381	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134952	4.2	10
380	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
379	Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 336-358	4.2	10
378	Search for high-mass Z resonances in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV using jet substructure techniques. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 363-387	4.2	10
377	Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 279-307	4.2	10
376	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	10
375	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
374	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
373	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
372	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	10
371	Tests of analytical hadronisation models using event shape moments in e^+e^- annihilation. <i>European Physical Journal C</i> , 2009 , 64, 533-547	4.2	10
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367	Measurement of the $\mathrm{Z}\mu\mu$ production cross section in pp collisions at $\sqrt{s}=8\mathrm{TeV}$ and limits on anomalous $\mathrm{ZZ}\mu\mu$ and $\mathrm{ZZ}\mu\mu$ trilinear gauge boson couplings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 448-468	4.2	10
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365	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
364	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13\mathrm{TeV}$. <i>Physical Review D</i> , 2019 , 100,	4.9	10
363	Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
362	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
361	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s}=13\mathrm{TeV}$. <i>Physical Review D</i> , 2017 , 95,	4.9	9
360	Measurement of associated production of a boson and a charm quark in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 269	4.2	9
359	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
358	Running of the top quark mass from proton-proton collisions at $\sqrt{s}=13\mathrm{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135263	4.2	9
357	A search for the standard model Higgs boson decaying to charm quarks. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
356	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s}=13\mathrm{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 118-143	4.2	9
355	Measurements of $t\bar{t}$ charge asymmetry using dilepton final states in pp collisions at $\sqrt{s}=8\mathrm{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 365-386	4.2	9
354	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	9
353	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
352	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

351	Measurement of b hadron lifetimes in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 457	4.2	9
350	Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at 13 TeV. <i>Physical Review Letters</i> , 2018 , 120, 241801	7.4	9
349	Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
348	Search for associated production of dark matter with a Higgs boson decaying to ($\overline{\text{b}}\text{b}$) or $\text{t}\bar{\text{t}}$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
347	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
346	Dark-photon search using data from CRESST-II Phase 2. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	9
345	Measurement of electroweak-induced production of $W\gamma$ with two jets in pp collisions at ($\sqrt{s}=8$) TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
344	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb $^{-1}$ of (\sqrt{s}) = 8 TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	9
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341	Measurement of heavy quark forward-backward asymmetries and average B mixing using leptons in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 577, 18-36	4.2	9
340	Bose-Einstein correlations of π^0 pairs from hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 559, 131-143	4.2	9
339	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
338	Observation of nuclear modifications in $W\gamma$ boson production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135048	4.2	9
337	Search for a light pseudoscalar Higgs boson in the boosted τ final state in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
336	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
335	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
334	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 697	4.2	9

333	Search for a singly produced third-generation scalar leptoquark decaying to a lepton and a bottom quark in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
332	Measurement of the top quark mass in the dileptonic $t\bar{t}$ decay channel using the mass observables $M_{b\ell}$, M_{T2} , and $M_{b\ell}$ in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	8
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330	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
329	Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 152001	7.4	8
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327	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
326	Search for Higgsino pair production in pp collisions at $\sqrt{s}=13$ TeV in final states with large missing transverse momentum and two Higgs bosons decaying via $H\rightarrow b\bar{b}$. <i>Physical Review D</i> , 2018 , 97,	4.9	8
325	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at ($\sqrt{s_{NN}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
324	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
323	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 062002	7.4	8
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321	Measurement of splitting scales in $t\bar{t}$ events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4.2	8
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319	Measurement of the top quark mass using single top quark events in proton-proton collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2017 , 77, 354	4.2	8
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317	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 158	4.2	8
316	Inclusive production of charged hadrons in photon-photon collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 651, 92-101	4.2	8

315	Searches for Light Dark Matter with the CRESST-III Experiment. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 547-555	1.3	8
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313	Search for electroweak production of a vector-like T quark using fully hadronic final states. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
312	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $(\sqrt{s}) = 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
311	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. <i>Physical Review D</i> , 2018 , 98,	4.9	8
310	Angular analysis of the decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. <i>Physical Review D</i> , 2018 , 98,	4.9	8
309	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $(\sqrt{s}=13)\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
308	Search for R-parity violating supersymmetry in pp collisions at $\sqrt{s}=13\text{TeV}$ using b jets in a final state with a single lepton, many jets, and high sum of large-radius jet masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 783, 114-139	4.2	8
307	Search for singly and pair-produced leptoquarks coupling to third-generation fermions in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 819, 136446	4.2	8
306	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. <i>Physical Review D</i> , 2017 , 95,	4.9	7
305	Search for electroweak production of charginos in final states with two leptons in pp collisions at $(\sqrt{s}=8)\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
304	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 92	4.2	7
303	Search for Supersymmetry in pp Collisions at $\sqrt{s}=13\text{ TeV}$ in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets. <i>Physical Review Letters</i> , 2017 , 119, 151802	7.4	7
302	Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s}=13\text{ TeV}$. <i>Physical Review D</i> , 2017 , 96,	4.9	7
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300	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13\text{ TeV}$. <i>Physical Review Letters</i> , 2019 , 122, 011803	7.4	7
299	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $(\sqrt{s}=13,\text{TeV})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
298	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2019 , 79, 94	4.2	7

297	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
296	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
295	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at (\sqrt{s}) = 13 TeV and constraints on anomalous quartic couplings. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
294	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
293	Limits on Momentum-Dependent Asymmetric Dark Matter with CRESST-II. <i>Physical Review Letters</i> , 2016 , 117, 021303	7.4	7
292	Search for supersymmetry in pp collisions at ($\sqrt{s}=13$) TeV in the single-lepton final state using the sum of masses of large-radius jets. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
291	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
290	Jet properties in PbPb and pp collisions at ($\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
289	Measurement of the semileptonic ($\mathrm{t}\overline{\mathrm{t}}$) + $\bar{\mathrm{t}}$ production cross section in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
288	Searches for W γ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
287	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
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284	Charged particle multiplicities in heavy and light quark initiated events above the Z0 peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 550, 33-46	4.2	7
283	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
282	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
281	Searches for R-parity-violating supersymmetry in pp collisions at $\sqrt{s}=8$ TeV in final states with 0 ℓ leptons. <i>Physical Review D</i> , 2016 , 94,	4.9	7
280	In-situ study of light production and transport in phonon/light detector modules for dark matter search. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 821, 116-121	1.2	7

279	Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	7
278	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 231803	7.4	7
277	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 13	4.2	7
276	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at ($\sqrt{s}=8$) and 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
275	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
274	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. <i>Journal of Instrumentation</i> , 2018 , 13, P10034-P10034	1	7
273	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\ell q$ final states at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
272	Search for dark matter produced in association with a Higgs boson decaying to $\ell\bar{\ell}$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
271	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
270	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021 , 81, 800	4.2	7
269	Search for a Light Charged Higgs Boson Decaying to a W Boson and a CP-Odd Higgs Boson in Final States with $e\ell\bar{\nu}$ in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 131802	7.4	6
268	Measurement of prompt $\ell\ell$ production cross sections in proton-proton and proton-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 509-532	4.2	6
267	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 90	4.2	6
266	Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 132003	7.4	6
265	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
264	Search for a light charged Higgs boson in the $H\ell\bar{\nu}$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4.9	6
263	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , 2020 , 80, 534	4.2	6
262	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4.2	6

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259	Measurement of the B polarization and angular parameters in $B \rightarrow h/\bar{h}$ decays from pp collisions at $s=7$ and 8 TeV. <i>Physical Review D</i> , 2018 , 97,	4.9	6
258	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
257	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 536	4.2	6
256	Search for vectorlike light-flavor quark partners in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2018 , 97,	4.9	6
255	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $(\sqrt{s} = 13, \text{TeV})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
254	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	6
253	Search for leptophobic Z' bosons decaying into four-lepton final states in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 773, 563-584	4.2	6
252	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 775, 315-337	4.2	6
251	QCD coherence and correlations of particles with restricted momenta in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 30-38	4.2	6
250	Measurement of neutral-current four-fermion production at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 544, 259-273	4.2	6
249	NUCLEUS: Exploring Coherent Neutrino-Nucleus Scattering with Cryogenic Detectors. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 433-440	1.3	6
248	Search for supersymmetry in pp collisions at $s=13$ TeV with 137 fb^{-1} in final states with a single lepton using the sum of masses of large-radius jets. <i>Physical Review D</i> , 2020 , 101,	4.9	6
247	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4.9	6
246	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
245	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
244	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	6

243	Geant4-based electromagnetic background model for the CRESST dark matter experiment. <i>European Physical Journal C</i> , 2019 , 79, 881	4.2	6
242	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 893	4.2	6
241	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 886	4.2	6
240	Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 812, 136018	4.2	6
239	Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions. <i>Physical Review C</i> , 2018 , 98,	2.7	6
238	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
237	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
236	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 221802	7.4	6
235	Search for a heavy resonance decaying into a Z boson and a vector boson in the ($\overline{\nu}\overline{q}$) final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
234	Search for pair production of excited top quarks in the lepton + jets final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 778, 349-370	4.2	6
233	Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at $s_{NN}=5.02$ TeV. <i>Physical Review C</i> , 2017 , 96,	2.7	5
232	Measurement of B_s^0 meson production in pp and PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 168-190	4.2	5
231	DEPFET detectors for direct detection of MeV Dark Matter particles. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	5
230	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
229	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
228	An embedding technique to determine \mathbb{B} backgrounds in proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P06032-P06032	1	5
227	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	5
226	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5

225	Search for supersymmetry with photons in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2015 , 92,	4.9	5
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223	Search for invisibly decaying Higgs bosons with large decay width using the OPAL detector at LEP. <i>European Physical Journal C</i> , 2007 , 49, 457-472	4.2	5
222	Inclusive jet production in photon-photon collisions at \sqrt{s} from 189 to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 658, 185-192	4.2	5
221	Multi-photon final states in $e+e^-$ collisions at $\sqrt{s}=130$ -172 GeV 1998 , 1, 21		5
220	Observation of the $B^0 \rightarrow \mu^+ \mu^-$ decay in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 802, 135203	4.2	5
219	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	5
218	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2021 , 81, 200	4.2	5
217	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at. <i>European Physical Journal C</i> , 2021 , 81, 378	4.2	5
216	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 488	4.2	5
215	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
214	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 6-31	4.2	5
213	$\rho(\text{nS})$ 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
212	Search for resonances decaying to a pair of Higgs bosons in the $b(\overline{\text{b}})q(\overline{\text{q}})$ final state in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
211	Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at $\sqrt{s_{\text{NN}}}=5.44$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 799, 135049	4.2	5
210	Probing the chiral magnetic wave in pPb and PbPb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV using charge-dependent azimuthal anisotropies. <i>Physical Review C</i> , 2019 , 100,	2.7	5
209	Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135285	4.2	5
208	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , 2021 , 81, 3	4.2	5

207	Measurement of the groomed jet mass in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
206	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
205	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , 2018 , 78, 708	4-2	5
204	A Low Nuclear Recoil Energy Threshold for Dark Matter Search with CRESST-III Detectors. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 441-448	1-3	5
203	Search for excited quarks of light and heavy flavor in ℓ -jet final states in proton-proton collisions at $s=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 390-411	4-2	5
202	Search for Higgs and Z boson decays to J/ψ Υ pairs in the four-muon final state in proton-proton collisions at $s=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134811	4-2	4
201	Search for a low-mass χ resonance in association with a bottom quark in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
200	Search for the pair production of light top squarks in the $e\bar{e}$ final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
199	Search for nonresonant Higgs boson pair production in the ($\overline{b}b\overline{b}b$) final state at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
198	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 123	4-2	4
197	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 20	4-2	4
196	Measurements of the W boson rapidity, helicity, double-differential cross sections, and charge asymmetry in pp collisions at $s=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4-9	4
195	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the dilepton final state in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4-9	4
194	Search for resonant pair production of Higgs bosons in the $b\bar{b}ZZ$ channel in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4-9	4
193	Evidence for (W) (W) production from double-parton interactions in proton-proton collisions at ($\sqrt{s}=13$, TeV). <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	4
192	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 242	4-2	4
191	Pseudorapidity distributions of charged hadrons in proton-lead collisions at ($\sqrt{s_{\mathrm{NN}}}=5.02$) and 8.16 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
190	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4

189	Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 166-190	4.3	4
188	Search for a W boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
187	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
186	Search for high-mass Z resonances in $e+e$ and $\mu+\mu$ final states in proton-proton collisions at $(\sqrt{s}=8)$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
185	Search for CP violation in $(\overline{t}t)$ production and decay in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
184	Alignment of the Pixel and SCT Modules for the 2004 ATLAS Combined Test Beam. <i>Journal of Instrumentation</i> , 2008 , 3, P09004-P09004	1	4
183	Measurement of differential cross sections and charge ratios for γ -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	4
182	Search for a massive Di-photon resonance at $\sqrt{s} = 91 \div 72$ GeV 1998 , 1, 31		4
181	Search for unstable heavy and excited leptons in $e+e$ collisions at $\sqrt{s} = 170\text{-}172$ GeV 1998 , 1, 45		4
180	Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions. <i>Journal of Instrumentation</i> , 2020 , 15, P10002-P10002	1	4
179	Lithium-Containing Crystals for Light Dark Matter Search Experiments. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 510-518	1.3	4
178	$W+W$ boson pair production in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4.9	4
177	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
176	Observation of the $B_{\mu}^{(0)}\text{-}K(3872)^0$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 152001	7.4	4
175	Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	4
174	Search for new physics in top quark production with additional leptons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV using effective field theory. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	4
173	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
172	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 178-201	4.2	4

171	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at (\sqrt{s})= 13 TeV. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	4
170	Search for long-lived particles using displaced jets in proton-proton collisions at \sqrt{s} =13 TeV. <i>Physical Review D</i> , 2021 , 104,	4.9	4
169	MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 629	4.2	4
168	Search for top squark production in fully hadronic final states in proton-proton collisions at \sqrt{s} =13 TeV. <i>Physical Review D</i> , 2021 , 104,	4.9	4
167	Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at \sqrt{s} =13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 812, 135992	4.2	4
166	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at (\sqrt{s}) = 13 TeV via Higgs boson decays to $\ell\ell$ ons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
165	Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at \sqrt{s} =13 TeV. <i>Physical Review D</i> , 2020 , 102,	4.9	3
164	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189	4.2	3
163	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
162	Results of the first NaI scintillating calorimeter prototypes by COSINUS. <i>Journal of Physics: Conference Series</i> , 2020 , 1342, 012099	0.3	3
161	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft ℓ Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at \sqrt{s} =13 TeV. <i>Physical Review Letters</i> , 2020 , 124, 041803	7.4	3
160	Study of J/ψ meson production inside jets in pp collisions at \sqrt{s} =8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 804, 135409	4.2	3
159	Measurement of the inclusive ($\sigma(\overline{t}t)$) cross section in pp collisions at (\sqrt{s})=5.02 TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
158	Search for ZZ resonances in the $2\ell\ell$ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
157	Search for the production of $W^\pm W^\pm$ events at \sqrt{s} =13 TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	3
156	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 391-412	4.2	3
155	Search for top quark partners with charge 5/3 in proton-proton collisions at (\sqrt{s})=13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
154	Multi-photon events with large missing energy in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 602, 167-179	4.2	3

153	Measurements of the $\sigma(\mathrm{p}\mathrm{p}\rightarrow\mathrm{Z}\mathrm{Z})$ production cross section and the $\mathrm{BR}(\mathrm{Z}\rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s}=13\,\mathrm{TeV}$) 2018 , 78, 1		3
152	Cryogenic characterization of a LiAlO_2 crystal and new results on spin-dependent dark matter interactions with ordinary matter. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
151	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 970	4.2	3
150	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
149	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at $\sqrt{s}=13\,\mathrm{TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
148	Observation of electroweak production of $W\gamma$ with two jets in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 811, 135988	4.2	3
147	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 808, 135609	4.2	3
146	Investigation into the event-activity dependence of η relative production in proton-proton collisions at $\sqrt{s}=7\,\mathrm{TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
145	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , 2020 , 4, 10	6	3
144	Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02\,\mathrm{TeV}$. <i>Physical Review Letters</i> , 2020 , 125, 102001	7.4	3
143	Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at $\sqrt{s}=13\,\mathrm{TeV}$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
142	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s}=13\,\mathrm{TeV}$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
141	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV. <i>Physical Review D</i> , 2016 , 94,	4.9	3
140	Measurement of differential cross sections for Z boson pair production in association with jets at $\sqrt{s}=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 19-44	4.2	3
139	Event shape variables measured using multijet final states in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
138	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to e final states in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
137	A NaI-Based Cryogenic Scintillating Calorimeter: Results from a COSINUS Prototype Detector. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 1174-1181	1.3	3
136	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 723	4.2	3

135	Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state. <i>Physical Review D</i> , 2021 , 104,	4.9	3
134	Observation of the decay $B \rightarrow \mu^+ \mu^- (1020) K^+$ in pp collisions at $\sqrt{s}=8\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 66-86	4.2	2
133	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 305	4.2	2
132	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
131	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at ($\sqrt{s} = 13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
130	Search for decays of the 125 GeV Higgs boson into a Z boson and a $B \rightarrow \mu^+ \mu^-$ meson. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
129	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter. <i>Journal of Instrumentation</i> , 2020 , 15, P06009-P06009	1.3	2
128	Multiparticle correlation studies in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review C</i> , 2020 , 101,	2.7	2
127	COSINUS: Cryogenic Calorimeters for the Direct Dark Matter Search with NaI Crystals. <i>Journal of Low Temperature Physics</i> , 2020 , 200, 428-436	1.3	2
126	Determination of the strong coupling constant $\alpha_S(m_Z)$ from measurements of inclusive W^\pm and Z boson production cross sections in proton-proton collisions at ($\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
125	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
124	Measurement of differential cross sections in the kinematic angular variable ϕ^* for inclusive Z boson production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
123	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Physical Review D</i> , 2016 , 94,	4.9	2
122	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
121	Search for $W^\pm \rightarrow \mu^\pm \tau^\pm$ in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
120	Exploring Low-Mass Dark Matter with CRESST. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 866-872	1.3	2
119	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
118	Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 384-408	4.2	2

117	Inclusive search for supersymmetry in pp collisions at ($\sqrt{s}=13$) TeV using razor variables and boosted object identification in zero and one lepton final states. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
116	Search for excited leptons in final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
115	Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , 2019 , 100,	2.7	2
114	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 76-99	4.2	2
113	Measurements of the pp $\rightarrow W\gamma$ and pp $\rightarrow Z\gamma$ cross sections and limits on anomalous quartic gauge couplings at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
112	Search for new phenomena with multiple charged leptons in proton-proton collisions at ($\sqrt{s}=13$) (,text {TeV}). <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	2
111	Antihyperon correlations in Z^0 decay and investigation of the baryon production mechanism. <i>European Physical Journal C</i> , 2009 , 64, 609-625	4.2	2
110	Measurements of R_b in e^+e^- collisions at \sqrt{s} between 182 and 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 609, 212-225	4.2	2
109	The BaBar Silicon Vertex Tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 461, 162-167	1.2	2
108	Measurement of the ($\overline{t}t$) production cross-section using (emu) events with (b)-tagged jets in (pp) collisions at ($\sqrt{s}=7$) and 8 TeV with the ATLAS detector 2014 , 74, 1		2
107	Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the $B\bar{B}$ final state at 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
106	Search for supersymmetry using Higgs boson to diphoton decays at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
105	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 151802	7.4	2
104	The production of isolated photons in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 5.02 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
103	Bose-Einstein correlations of charged hadrons in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
102	Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 202001	7.4	2
101	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , 2020 , 80, 718	4.2	2
100	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 752	4.2	2

99	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
98	Angular analysis of the decay $B^+ \rightarrow K^{*0}(892) \mu^+ \nu_\mu$ in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
97	Measurement of prompt D^0 and D^{*0} meson azimuthal anisotropy and search for strong electric fields in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 816, 136253	4.2	2
96	First measurement of large area jet transverse momentum spectra in heavy-ion collisions. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
95	Performance of the CMS muon trigger system in proton-proton collisions at $(\sqrt{s}) = 13$. <i>Journal of Instrumentation</i> , 2021 , 16, P07001	1	2
94	Search for pair-produced three-jet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	2
93	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
92	Search for lepton-flavor violating decays of the Higgs boson in the $\tau\tau$ and $e\tau$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2021 , 104,	4.9	2
91	Search for W^\pm bosons decaying to a top and a bottom quark at $\sqrt{s}=13$ TeV in the hadronic final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 820, 136535	4.2	2
90	Search for supersymmetry in events with a photon, jets, $\bar{\nu}$ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
89	Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , 2019 , 122, 151802	7.4	1
88	Search for Narrow Higgs Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 081804	7.4	1
87	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. <i>Physical Review Letters</i> , 2020 , 125, 222001	7.4	1
86	Search for supersymmetry in proton-proton collisions at $(\sqrt{s}) = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
85	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135448	4.2	1
84	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
83	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
82	DEPFET pixels as a vertex detector for the Belle II experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 732, 160-163	1.2	1

81	Measurement of the partial widths of the Z into up- and down-type quarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 586, 167-182	4.2	1
80	Evidence for X(3872) in Pb-Pb Collisions and Studies of its Prompt Production at $\sqrt{s_{NN}}=5.02$ TeV.. <i>Physical Review Letters</i> , 2022 , 128, 032001	7.4	1
79	Fragmentation of jets containing a prompt J/ ψ meson in PbPb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 825, 136842	4.2	1
78	Measurement of differential $t\bar{t}$ production cross sections in the full kinematic range using lepton+jets events from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2021 , 104,	4.9	1
77	Search for chargino-neutralino production in events with Higgs and W bosons using 137 fb $^{-1}$ of proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
76	Measurement of the electroweak production of Z and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on anomalous quartic gauge couplings. <i>Physical Review D</i> , 2021 , 104,	4.9	1
75	Measurements of the $pp \rightarrow W\gamma$ and $pp \rightarrow Z\gamma$ cross sections at $(\sqrt{s}) = 13$ TeV and limits on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
74	Study of the $(\mathbf{B}^+ \rightarrow \mathbf{J}/\psi \overline{\Lambda} \mathbf{p})$ decay in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
73	Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
72	Strange hadron production in pp and pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , 2020 , 101,	2.7	1
71	Measurement of the cross section for $(\mathbf{t} \overline{\mathbf{t}})$ production with additional jets and b jets in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
70	Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
69	Development and validation of HERWIG γ tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
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67	Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_b^+ \Lambda^+ \Lambda^-$. <i>Physical Review Letters</i> , 2021 , 126, 252003	7.4	1
66	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 969	4.2	1
65	Search for the lepton flavor violating decay $\mu \rightarrow e \gamma$ in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
64	Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 813, 136036	4.2	1

63	A NaI-based cryogenic scintillating calorimeter: status and results of the COSINUS project. <i>Journal of Physics: Conference Series</i> , 2018 , 1056, 012017	0.3	1
62	Observation of the $Z \rightarrow \mu^+ \mu^-$ Decay in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 141801	7.4	1
61	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 141802	7.4	1
60	Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z-Boson Yields and Azimuthal Anisotropy at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2021 , 127, 102002	7.4	1
59	Measurement of the azimuthal anisotropy of and mesons in PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 819, 136385	4.2	1
58	Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2021 , 127, 122001	7.4	1
57	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	1
56	Search for a heavy resonance decaying to a top quark and a W boson at $\sqrt{s} = 13$ TeV in the fully hadronic final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
55	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 773	4.2	0
54	Measurement of double-parton scattering in inclusive production of four jets with low transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
53	Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
52	Search for W resonances in proton-proton collisions at $s=13$ TeV using hadronic decays of Lorentz-boosted W bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 826, 136888	4.2	0
51	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2020 , 80, 1164	4.2	0
50	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s}=5.02$ TeV Using Leptonic Decays. <i>Physical Review Letters</i> , 2021 , 127, 191801	7.4	0
49	Observation of tW production in the single-lepton channel in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
48	Measurement of b jet shapes in proton-proton collisions at $(\sqrt{s}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
47	Study of Drell-Yan dimuon production in proton-lead collisions at $(\sqrt{s_{\mathrm{NN}}}) = 8.16$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
46	In-medium modification of dijets in PbPb collisions at $(\sqrt{s_{\mathrm{NN}}}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0

45	Measurement of the W Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV and Constraints on Effective Field Theory Coefficients. <i>Physical Review Letters</i> , 2021 , 126, 252002	7.4	○
44	Measurement of the top quark pair production cross section in dilepton final states containing one lepton in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	○
43	Search for the rare decay of the W boson into a pion and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 819, 136409	4.2	○
42	Search for a heavy vector resonance decaying to a lepton and a Higgs boson in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2021 , 81, 688	4.2	○
41	First measurement of the cross section for top quark pair production with additional charm jets using dileptonic final states in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 820, 136565	4.2	○
40	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , 2021 , 81, 852	4.2	○
39	Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of Leptons in pp Collisions at $\sqrt{s}=13$ TeV.. <i>Physical Review Letters</i> , 2022 , 128, 081805	7.4	○
38	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	○
37	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2022 , 82, 153	4.2	○
36	Probing spin-dependent dark matter interactions with $\chi\chi \rightarrow \text{gluons}$. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	○
35	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions.. <i>Physical Review Letters</i> , 2022 , 128, 122301	7.4	○
34	A new calibration method for charm jet identification validated with proton-proton collision events at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2022 , 17, P03014	1	○
33	Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2022 , 82, 213	4.2	○
32	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2022 , 82, 290	4.2	○
31	Measurement of the inclusive and differential $t\bar{t}$ cross sections in the single-lepton channel and EFT interpretation at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
30	Measurement of the top quark mass using events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
29	Probing effective field theory operators in the associated production of top quarks with a Z boson in multilepton final states at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
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27	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
26	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
25	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
24	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
23	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
22	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
21	Development of a compact muon veto for the Nucleus experiment. <i>Journal of Instrumentation</i> , 2022 , 17, T05020	1	○
20	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	
19	Mechanical stability of the CMS strip tracker measured with a laser alignment system. <i>Journal of Instrumentation</i> , 2017 , 12, P04023-P04023	1	
18	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	
17	The BaBar silicon vertex tracker, performance and running experience. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 485, 10-14	1.2	
16	Performance of the BABAR silicon vertex tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 501, 14-21	1.2	
15	Production of endcap modules for the ATLAS semiconductor tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 552, 208-211	1.2	
14	First-year experience with the BaBar silicon vertex tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 473, 7-16	1.2	
13	. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	
12	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P05002-P05002	1	
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10	Measurement of the Z boson differential production cross section using its invisible decay mode ($Z \rightarrow \bar{\nu} \nu$) in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	

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8	DANAE: A new effort to directly search for dark matter with DEPFET-RNDR detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 958, 162155	1.2
7	Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 801, 135183	4.2
6	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4
5	Simulation-based design study for the passive shielding of the COSINUS dark matter experiment.. <i>European Physical Journal C</i> , 2022 , 82, 248	4.2
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2	Cosmic activation of Cresst $\overline{\nu}$ CaWO $\overline{\nu}$ 4 crystals. <i>Journal of Physics: Conference Series</i> , 2021 , 2156, 012227	0.3
1	Measurement of the inclusive $\sigma(\text{t}\overline{\text{t}})$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4