

Michele Arneodo

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

860

papers

26,568

citations

74

h-index

120

g-index

889

ext. papers

30,537

ext. citations

4.8

avg, IF

4.14

L-index

#	Paper	IF	Citations
860	Gottfried sum from the ratio F_2^n/F_2^p . <i>Physical Review Letters</i> , 1991 , 66, 2712-2715	7.4	446
859	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 212	4.2	399
858	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	389
857	Combined measurement and QCD analysis of the inclusive $e \bar{p}$ scattering cross sections at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	370
856	Nuclear effects in structure functions. <i>Physics Reports</i> , 1994 , 240, 301-393	27.7	343
855	Study of high- p_T charged particle suppression in PbPb compared to pp collisions at ($\sqrt{s_{NN}}=2.76 \sim \text{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	316
854	Measurement of the proton and deuteron structure functions, F_2^p and F_2^d , and of the ratio. <i>Nuclear Physics B</i> , 1997 , 483, 3-43	2.8	285
853	Observation of a new boson with mass near 125 GeV in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	261
852	Reevaluation of the Gottfried sum. <i>Physical Review D</i> , 1994 , 50, R1-R3	4.9	259
851	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 235	4.2	250
850	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
849	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014 , 74, 3076	4.2	239
848	Particle-flow reconstruction and global event description with the CMS detector. <i>Journal of Instrumentation</i> , 2017 , 12, P10003-P10003	1	234
847	Observation of events with a large rapidity gap in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 315, 481-493	4.2	233
846	Proton and deuteron F_2 structure functions in deep inelastic muon scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 159-168	4.2	227
845	The CMS trigger system. <i>Journal of Instrumentation</i> , 2017 , 12, P01020-P01020	1	210
844	Measurement of the proton structure function F_2 in ep scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 316, 412-426	4.2	209

843	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at ($\sqrt{s} = 0.9$) and 2.36 TeV. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	201
842	Measurement of the proton and the deuteron structure functions, F _{2p} and F _{2d} . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 364, 107-115	4.2	190
841	Suppression of non-prompt J/ψ and (Upsilon)(1S) in PbPb collisions at ($\sqrt{s_{NN}} = 2.76$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	184
840	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014 , 74, 3036	4.2	183
839	Measurement of total and partial photon proton cross sections at 180 GeV center of mass energy. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 63, 391-408		175
838	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
837	Search for top-squark pair production in the single-lepton final state in pp collisions at ($\sqrt{s}=8$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	162
836	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ($\sqrt{s_{NN}}=2.76$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	158
835	Search for dark matter and large extra dimensions in monojet events in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	155
834	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
833	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
832	A re-evaluation of the nuclear structure function ratios for D, He, 6Li, C and Ca. <i>Nuclear Physics B</i> , 1995 , 441, 3-11	2.8	151
831	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
830	Search for heavy neutrinos and [Formula: see text] bosons with right-handed couplings in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3149	4.2	149
829	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	144
828	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at ($\sqrt{s} = 0.9, 2.76, \text{ and } 7 \sim 8$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	133
827	Measurement of the F ₂ structure function in deep inelastic e + p scattering using 1994 data from the ZEUS detector at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 399-424		132
826	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , 2014 , 74, 2980	4.2	131

825	The structure function ratios F_2^C/F_2^D and F_2^C/F_2^D at small x . <i>Nuclear Physics B</i> , 1995 , 441, 12-30	2.8	128
824	Measurements of the nucleon structure function in the range 0.002 Nuclear Physics B, 1990 , 333, 1-47	2.8	126
823	Measurement of the proton structure function F_2 and at low and very low x at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 432-448	4.2	123
822	Comparison of ZEUS data with standard model predictions for $e+p \rightarrow e+X$ scattering at high x and Q^2 . <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997 , 74, 207-220		123
821	Measurement of the inclusive W and Z production cross sections in pp collisions at ($\sqrt{s} = 7$) TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	121
820	Prompt and non-prompt J/ψ production in pp collisions at ($\sqrt{s} = 7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	118
819	Shadowing in deep inelastic muon scattering from nuclear targets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 211, 493-499	4.2	118
818	Measurement of the proton structure function F_2 from the 1993 HERA data. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 379-398		116
817	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	114
816	The ratio F_2^n/F_2^p in deep inelastic muon scattering. <i>Nuclear Physics B</i> , 1992 , 371, 3-31	2.8	112
815	A search for a doubly-charged Higgs boson in pp collisions at ($\sqrt{s} = 7$ mbox{TeV}). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	111
814	Accurate measurement of F_2^d/F_2^p and R_d [Rp]. <i>Nuclear Physics B</i> , 1997 , 487, 3-26	2.8	107
813	Measurements of inclusive W and Z cross sections in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	104
812	Measurement of differential top-quark-pair production cross sections in pp collisions at ($\sqrt{s} = 7$ mathrm{TeV}). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	102
811	Evidence for the 125 GeV Higgs boson decaying to a pair of τ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	101
810	Search for a light charged Higgs boson in top quark decays in pp collisions at ($\sqrt{s} = 7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	101
809	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010 , 70, 116541192	99	
808	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 542	4.2	98

807	Measurement of the diffractive structure function in deep inelastic scattering at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 68, 569-584		97
806	Searches for long-lived charged particles in pp collisions at (\sqrt{s}) = 7 and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	96
805	Precision measurement of the structure function ratios $F_2^{\text{He2}} / F_2^{\text{D2}}$, $F_2^{\text{C2}} / F_2^{\text{D2}}$ and $F_2^{\text{Ca2}} / F_2^{\text{D2}}$. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991 , 51, 387-393		95
804	Search for supersymmetry in hadronic final states using M T2 in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	92
803	The FP420 R&D project: Higgs and New Physics with forward protons at the LHC. <i>Journal of Instrumentation</i> , 2009 , 4, T10001-T10001	1	92
802	Charged particle multiplicities in pp interactions at (\sqrt{s}) = 0.9, 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	89
801	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ($\sqrt{s_{\text{NN}}} = 2.76$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	87
800	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
799	production in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 402-418	4.2	85
798	Search for supersymmetry in hadronic final states with missing transverse energy using the variables and b-quark multiplicity in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2568	4.2	82
797	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	81
796	Exclusive π^0 and μ production at large Q^2 . <i>Nuclear Physics B</i> , 1994 , 429, 503-529	2.8	79
795	Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , 2018 , 121, 121801	7.4	79
794	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
793	Strange particle production in pp collisions at (\sqrt{s}) = 0.9 and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	78
792	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
791	Measurement of the cross section for the reaction $\bar{p} \rightarrow J/\psi$ with the ZEUS detector at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 350, 120-134	4.2	75
790	LHC forward physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016 , 43, 110201	2.9	75

789	Search for dijet resonances in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ 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
788	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $(\sqrt{s}) = 8\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	74
787	Searches for invisible decays of the Higgs boson in pp collisions at $(\sqrt{s}) = 7, 8, \text{ and } 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	74
786	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
785	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $(\sqrt{s_{\text{NN}}}) = 2.76\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	73
784	Measurement of elastic γ photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 377, 259-272	4.2	73
783	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
782	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text]5.02[Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2847	4.2	71
781	A new boson with a mass of 125 GeV observed with the CMS experiment at the Large Hadron Collider. <i>Science</i> , 2012 , 338, 1569-75	33.3	71
780	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	70
779	Measurement of the single-top-quark t-channel cross section in pp collisions at $(\sqrt{s}=7)\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	70
778	Measurement of the underlying event activity at the LHC with $(\sqrt{s} = 7)\text{ TeV}$ and comparison with $(\sqrt{s} = 0.9)\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	70
777	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $(\sqrt{s}=8)\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	69
776	J/ψ and $\psi(2S)$ production in pp collisions at $(\sqrt{s} = 7\text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	69
775	Extraction of the gluon density of the proton at x. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 576-588	4.2	69
774	Measurement of hadron azimuthal distributions in deep inelastic muon proton scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 34, 277-282		68
773	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02\text{ TeV}$. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	67
772	Observation of direct processes in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 322, 287-300	4.2	67

771	Measurements of the u valence quark distribution function in the proton and u quark fragmentation functions. <i>Nuclear Physics B</i> , 1989 , 321, 541-560	2.8	66
770	Search for anomalous production of multilepton events in pp collisions at ($\sqrt{s} = 7, \text{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	65
769	Dijet cross sections in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 348, 665-680	4.2	65
768	Exclusive γ production in deep inelastic electron-proton scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 356, 601-616	4.2	65
767	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\text{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
766	Measurement of the ($\overline{t}t$) production cross section in the dilepton channel in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	64
765	The design and performance of the ZEUS micro vertex detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 581, 656-686	1.2	63
764	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
763	Observation of jet production in deep inelastic scattering with a large rapidity gap at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 332, 228-243	4.2	62
762	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
761	Study of double parton scattering using W + 2-jet events in proton-proton collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	61
760	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
759	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
758	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at ($\sqrt{s} = 8$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	59
757	Coherent J/ ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{\text{NN}}}=2.76$ 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
756	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
755	Suppression of $\chi(1S)$, $\chi(2S)$, and $\chi(3S)$ quarkonium states in PbPb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 357-379	4.2	57
754	Search for anomalous ($\overline{t}t$) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	57

753	Inelastic production in deep inelastic scattering from hydrogen and deuterium and the gluon distribution of free nucleons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 258, 493-498	4.2	57
752	Measurement of the neutron and the proton F2 structure function ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 249, 366-372	4.2	57
751	Study of exclusive two-photon production of $W+W$ in pp collisions at ($\sqrt{s}=7$) TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	56
750	Measurement of the $W+W$ cross section in pp collisions at ($\sqrt{s} = 7$ TeV) and limits on anomalous WW and WWZ couplings. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	56
749	Long-range and short-range dihadron angular correlations in central PbPb collisions at ($\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	56
748	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
747	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. <i>European Physical Journal C</i> , 2015 , 75, 251	4.2	55
746	Measurement of the diffractive structure function $F_2^{D(4)}$ at HERA. <i>European Physical Journal C</i> , 1998 , 1, 81-96	4.2	55
745	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
744	Diffractive hard photoproduction at HERA and evidence for the gluon content of the pomeron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 356, 129-146	4.2	53
743	Quark and gluon distributions and $\bar{q}s$ from nucleon structure functions at low x. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 309, 222-230	4.2	53
742	Search for ($B_s^0 \rightarrow B^0 \gamma$) and $B^0 \rightarrow B^0 \gamma$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
741	Search for leptoquarks with the ZEUS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 306, 173-186	4.2	52
740	Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 97,	4.9	51
739	Rapidity gaps between jets in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 369, 55-68	4.2	51
738	Ratio of J/ψ production cross sections in deep inelastic muon scattering from tin and carbon. <i>Nuclear Physics B</i> , 1992 , 371, 553-566	2.8	51
737	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=13$ 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
736	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

735	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 147	4.2	50
734	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 $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 081801	7.4	50
733	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	50
732	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
731	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2469	4.2	49
730	Comparison of multiplicity distributions to the negative binomial distribution in muon-proton scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 35, 335-345		49
729	Measurement of the diffractive structure function $F_2^D(4)$ at HERA 1998 , 1, 81		49
728	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 237	4.2	48
727	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	48
726	Measurement of the ($\bar{t}t$) production cross section and the top quark mass in the dilepton channel in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	48
725	Multiplicities of charged hadrons in 280 GeV/c muon-proton scattering. <i>Nuclear Physics B</i> , 1985 , 258, 249-266	2.8	47
724	Evidence for the Higgs boson decay to a bottom quark-antiquark pair. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 501-532	4.2	47
723	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
722	Measurement of the relative prompt production rate of and in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2251	4.2	46
721	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	46
720	Search for new physics with jets and missing transverse momentum in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	46
719	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
718	Exclusive $\bar{b}b$ production in proton-proton collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45

717	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	45
716	Search for exclusive or semi-exclusive $\bar{t}t$ production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	45
715	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2283	4-2	45
714	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \pi\pi$ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	44
713	Search for heavy bottom-like quarks in 4.9 fb $^{-1}$ of pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	44
712	Charged particle transverse momentum spectra in pp collisions at ($\sqrt{s}=0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	44
711	Measurement of angular parameters from the decay $B^0 \rightarrow K^*0 \pi\pi$ in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 517-541	4-2	44
710	Measurement of the ($\overline{t}t$) production cross section in the dilepton channel in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	43
709	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	43
708	Search for leptonic decays of W^\pm bosons in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	43
707	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
706	Event activity dependence of (Υ)(nS) production in ($\sqrt{s_{NN}}=5.02$) TeV pPb and ($\sqrt{s}=2.76$) TeV pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	42
705	Measurement of charm and beauty production in deep inelastic ep scattering from decays into muons at HERA. <i>European Physical Journal C</i> , 2010 , 65, 65-79	4-2	42
704	Search for additional neutral MSSM Higgs bosons in the $\tau\tau$ final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	42
703	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
702	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2015 , 75, 186	4-2	41
701	Measurement of prompt J/ψ pair production in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	41
700	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	41

699	Studies of quark and diquark fragmentation into identified hadrons in deep inelastic muon-proton scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 150, 458-463	4.2	41
698	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
697	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
696	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
695	Measurement of inclusive jet cross sections in pp and PbPb collisions at $\sqrt{s}=2.76$ TeV. <i>Physical Review C</i> , 2017 , 96,	2.7	39
694	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
693	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
692	Study of the underlying event at forward rapidity in pp collisions at ($\sqrt{s}=0.9, 2.76, \text{and } 7$ TeV). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
691	Measurement of the ZZ production cross section and search for anomalous couplings in $2\mu\mu$ final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
690	Search for same-sign top-quark pair production at ($\sqrt{s}=7$) TeV and limits on flavour changing neutral currents in the top sector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	39
689	Measurements of Rd-Rp and RCa-Rc in deep inelastic muon scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 294, 120-126	4.2	39
688	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
687	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
686	Search for new physics in events with same-sign dileptons and jets in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	38
685	Search for microscopic black holes in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	38
684	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at ($\sqrt{s}=7$ TeV). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	38
683	Study of $D^*(2010)^{\pm}$ production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 349, 225-237	4.2	38
682	The A dependence of the nuclear structure function ratios The New Muon Collaboration (NMC). <i>Nuclear Physics B</i> , 1996 , 481, 3-22	2.8	38

681	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
680	Measurement of the B^0 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
679	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 288	4.2	37
678	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
677	Measurement of associated W + charm production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	37
676	Jet production rates in association with W and Z bosons in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	37
675	Measurement of masses in the [Formula: see text] system by kinematic endpoints in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2494	4.2	37
674	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	37
673	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $(\sqrt{s} = 8)$ TeV by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	37
672	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
671	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
670	Search for the $X(5568)$ State Decaying into $B_s^0 \pi^0$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202005	7.4	36
669	Measurement of the top-quark mass in $(\overline{t}t)$ events with dilepton final states in pp collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	36
668	First measurement of the underlying event activity at the LHC with $(\sqrt{s} = 0.9)$ TeV. <i>European Physical Journal C</i> , 2010 , 70, 555-572	4.2	36
667	Measurement of the reaction in deep inelastic e+p scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 380, 220-234	4.2	36
666	The Q ² dependence of the structure function ratio R_2 and the difference R_{Sn} in deep inelastic muon scattering The New Muon Collaboration (NMC). <i>Nuclear Physics B</i> , 1996 , 481, 23-39	2.8	36
665	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
664	Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134826	4.2	35

663	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
662	Search for disappearing tracks in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	35
661	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
660	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
659	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	35
658	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
657	Measurement of the ($\mathit{\bar{t}}t$) production cross section in pp collisions at ($\sqrt{s}=7$) TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	35
656	Search for lepton flavour violating decays of the Higgs boson to $e\bar{\nu}$ and $e\nu$ in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 472-500	4.2	35
655	Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 778, 101-127	4.2	35
654	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
653	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
652	Search for microscopic black holes in pp collisions at ($\sqrt{s} = \text{7 TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
651	Search for heavy stable charged particles in pp collisions at ($\sqrt{s} = 7; \text{TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	34
650	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 440-467	4.2	34
649	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 151	4.2	33
648	Search for new physics in events with same-sign dileptons and b jets in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	33
647	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	33
646	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

645	Search for a light charged Higgs boson decaying to $(\overline{\text{charm}})$ in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5-4	33
644	Dijet angular distributions in direct and resolved photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 401-413	4-2	33
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642	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
641	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	32
640	Search for resonances in the dilepton mass distribution in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
639	Search for supersymmetry in pp collisions at $(\sqrt{s} = 7)$ TeV in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
638	Measurement of the Drell-Yan cross section in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
637	Diffraction photoproduction of dijets in ep collisions at HERA. <i>European Physical Journal C</i> , 2008 , 55, 177-191	4-2	32
636	Inclusive jet differential cross sections in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 342, 417-432	4-2	32
635	The vertex and large angle detectors of a spectrometer system for high energy muon physics. <i>Nuclear Instruments & Methods in Physics Research</i> , 1983 , 212, 111-124		32
634	Transverse momentum and its compensation in current and target jets in deep inelastic muon-proton scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 149, 415-420	4-2	32
633	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
632	Observation of events with an energetic forward neutron in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 388-400	4-2	31
631	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
630	Measurement of the $(\overline{\text{charm}})$ production cross section in the $e\bar{e}$ channel in proton-proton collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	30
629	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	30
628	Inclusive b-jet production in pp collisions at $(\sqrt{s} = 7\text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	30

627	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	30
626	Measurement of the top-quark mass in $(\overline{t}t)$ events with lepton+jets final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	30
625	Inclusive-jet photoproduction at HERA and determination of β_s . <i>Nuclear Physics B</i> , 2012 , 864, 1-37	2.8	30
624	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $(\sqrt{s} = 7\text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	30
623	Measurement of charged and neutral current e-p deep inelastic scattering cross sections at high Q ² . <i>Physical Review Letters</i> , 1995 , 75, 1006-1011	7.4	30
622	Inclusive charged particle distributions in deep inelastic scattering events at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 70, 1-15		30
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619	Search for an L _μ gauge boson using Z → 4ℓ 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
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615	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
614	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
613	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 3060	4.2	29
612	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 3129	4.2	29
611	Measurement of multiplicity and momentum spectra in the current fragmentation region of the Breit frame at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 93-107		29
610	Performance of reconstruction and identification of leptons decaying to hadrons and ν _μ in pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P10005-P10005	1	29

609	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
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607	Search for heavy Majorana neutrinos in $e\bar{e} + \text{jets}$ and $e\bar{e} + \text{jets}$ events in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28
606	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	28
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604	Study of the photon remnant in resolved photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 354, 163-177	4.2	28
603	Transverse momentum distributions for exclusive D^0 muon production. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 54, 239-245		28
602	Quark charge retention in final state hadrons from deep inelastic muon scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 144, 302-308	4.2	28
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597	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
596	Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 142302	7.4	27
595	Evidence for exclusive $B \rightarrow W + W$ 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
594	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ($\sqrt{s}=7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	27
593	Measurement of ($\overline{B} B$) angular correlations based on secondary vertex reconstruction at ($\sqrt{s} = 7, \text{TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	27
592	Measurement of high-Q ² neutral current deep inelastic $e p$ scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , 2009 , 62, 625-658	4.2	27

591	Measurement of D^{\pm} and D^0 production in deep inelastic scattering using a lifetime tag at HERA. <i>European Physical Journal C</i> , 2009 , 63, 171-188	4.2	27
590	Dijet cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , 1998 , 1, 109	4.2	27
589	Azimuthal anisotropy of charged particles with transverse momentum up to $100 \text{ GeV}/c$ in PbPb collisions at $\sqrt{s_{NN}}=5.02 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 195-216	4.2	27
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587	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s}=13 \text{ TeV}$. <i>Physical Review D</i> , 2018 , 97,	4.9	26
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585	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
584	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	26
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582	Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , 2009 , 61, 223-235	4.2	26
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580	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s}=13 \text{ TeV}$. <i>Physical Review D</i> , 2018 , 98,	4.9	26
579	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
578	Measurement of the W-boson helicity in top-quark decays from $(\text{mathrm{t}}\overline{\text{mathrm{t}}})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	25
577	Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 533-558	4.2	25
576	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
575	Measurements of the $[\text{Formula: see text}] [\text{Formula: see text}]$ production cross sections in the $[\text{Formula: see text}]$ channel in proton-proton collisions at $[\text{Formula: see text}]$ and $[\text{Formula: see text}]$ and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , 2015 , 75, 511	4.2	25
574	Search for resonant $(\text{mathrm{t}}\overline{\text{mathrm{t}}})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	25

573	Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	25
572	Observation of isolated high-ET photons in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 201-216	4.2	25
571	The Bose-Einstein correlations in deep inelastic \bar{p} interactions at 280 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986 , 32, 1-9		25
570	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
569	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
568	Search for charged Higgs bosons in the $H_{\pm} \rightarrow \tau\tau$ decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	24
567	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
566	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
565	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 325	4.2	24
564	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
563	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
562	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
561	Search for single-top production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 27-36	4.2	24
560	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2674	4.2	24
559	Search for heavy gauge W' 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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557	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
556	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\tau\tau$ channel in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24

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554	Measurement of β_s from jet rates in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 363, 201-216	4.2	24
553	Search for Higgs boson pair production in the $B\bar{b}$ final state in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 7-36	4.2	24
552	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
551	Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2017 , 118, 021802	7.4	23
550	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 768, 103-129	4.2	23
549	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
548	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	23
547	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
546	Dijet cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , 1998 , 1, 109-122	4.2	23
545	Observation of hard scattering in photoproduction events with a large rapidity gap at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 346, 399-414	4.2	23
544	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
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542	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
541	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
540	Measurement of the cross section for electroweak production of $Z\nu\nu$ 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
539	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
538	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22

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536	Study of Jet Quenching with Z+jet Correlations in Pb-Pb and pp Collisions at $\sqrt{s_{\text{NN}}}=5.02\text{ TeV}$. <i>Physical Review Letters</i> , 2017 , 119, 082301	7.4	22
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534	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
533	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
532	Search for first-generation leptoquarks at HERA. <i>Physical Review D</i> , 2012 , 86,	4.9	22
531	Measurement of Bose-Einstein correlations in pp collisions at (\sqrt{s}) = 0.9) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	22
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528	Measurement of prompt photons with associated jets in photoproduction at HERA. <i>European Physical Journal C</i> , 2007 , 49, 511-522	4.2	22
527	Neutral strange particle production in deep inelastic scattering at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 68, 29-42		22
526	Hadronic energy distributions in deep-inelastic electron-proton scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 59, 231-242		22
525	Measurement of the ZZ production cross section and Z \rightarrow bb branching fraction in pp collisions at $s=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 280-303	4.2	22
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523	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
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521	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 66	4.2	21
520	Correlations between jets and charged particles in PbPb and pp collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21

519	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
518	Study of jet quenching with isolated-photon+jet correlations 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> , 2018 , 785, 14-39	4.2	21
517	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	21
516	Measurement of the top-quark mass in all-jets [Formula: see text] events in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2014 , 74, 2758	4.2	21
515	Measurement of the $(\overline{\text{t}}\text{t})$ production cross section in the $\text{t}\overline{\text{t}}$ jets channel in pp collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	21
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512	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $(\sqrt{s}=8 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	21
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510	Inclusive b-hadron production cross section with muons in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	21
509	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	21
508	Production of excited charm and charm-strange mesons at HERA. <i>European Physical Journal C</i> , 2009 , 60, 25-45	4.2	21
507	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $(\sqrt{s_{NN}}=2.76 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
506	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
505	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	20
504	Measurement of quarkonium production cross sections in pp collisions at $s=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 251-272	4.2	20
503	Search for massive resonances decaying into WW, WZ, ZZ, qW, and qZ with dijet final states at $s=13 \text{ TeV}$. <i>Physical Review D</i> , 2018 , 97,	4.9	20
502	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

501	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
500	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
499	Search for pair production of second-generation leptoquarks at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	20
498	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , 2019 , 79, 564	4.2	20
497	Measurement of the production cross section for pairs of isolated photons in pp collisions at ($\sqrt{s}=7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	20
496	Measurement of charm fragmentation fractions in photoproduction at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
495	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20
494	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at. <i>European Physical Journal C</i> , 2017 , 77, 636	4.2	20
493	Inclusive transverse momentum distributions of charged particles in diffractive and non-diffractive photoproduction at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 227-237		20
492	The A dependence of the nuclear structure function ratios. <i>Nuclear Physics B</i> , 1996 , 481, 3-22	2.8	20
491	Search for anomalous single top quark production in association with a photon in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
490	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
489	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
488	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
487	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
486	Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 281-307	4.2	19
485	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	19
484	Study of excited B_0 states decaying to $B_0\pi$ in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135345	4.2	19

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482	Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 237	4.2	19
481	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 277	4.2	19
480	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
479	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
478	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	19
477	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	19
476	Differential cross sections of photoproduction in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 192-206	4.2	19
475	Observation of two-jet production in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 306, 158-172	4.2	19
474	\bar{D} and D production in deep inelastic $e\bar{p}$ interactions at 280 GeV/c. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986 , 33, 167-173		19
473	Investigation of the W and Q^2 dependence of charged pion distributions in \bar{p} scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986 , 31, 1-12		19
472	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
471	Search for new physics in dijet angular distributions using proton-proton collisions at and constraints on dark matter and other models. <i>European Physical Journal C</i> , 2018 , 78, 789	4.2	19
470	Search for lepton flavour violating decays of the Higgs boson to $\bar{\nu}\nu$ and $e\bar{\nu}$ in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
469	Measurement and interpretation of differential cross sections for Higgs boson production at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 369-396	4.2	18
468	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
467	Study of Z production in PbPb and pp collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
466	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. <i>Journal of Instrumentation</i> , 2020 , 15, P06005-P06005	1	18

465	Observation of top quark pairs produced in association with a vector boson in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	18
464	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two τ leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
463	. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
462	Relative Modification of Prompt τ S and J/ τ Yields from pp to PbPb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2017 , 118, 162301	7.4	18
461	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
460	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying τ 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
459	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
458	Study of charged-current interactions at $Q^2 > 200$ GeV ² with the ZEUS detector at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 47-64		18
457	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	18
456	Search for pair production of vectorlike quarks in the fully hadronic final state. <i>Physical Review D</i> , 2019 , 100,	4.9	18
455	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	18
454	Search for ($\overline{\text{t}}\text{H}$) production in the (H to $\overline{\text{b}}\text{b}$) decay channel with leptonic ($\overline{\text{t}}\text{}$) decays in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
453	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at = 13. <i>European Physical Journal C</i> , 2018 , 78, 291	4.2	17
452	Measurement of the inclusive jet cross section in pp collisions at ($\sqrt{s} = 2.76, \text{text {TeV}}$). <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	17
451	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
450	Search for ($\overline{\text{t}}\text{}$) 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
449	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
448	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	17

447	Search for stopped long-lived particles produced in pp collisions at ($\sqrt{s} = \sqrt{7\text{TeV}}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
446	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at ($\sqrt{s} = 7\text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	17
445	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	17
444	Measurement of open beauty production at HERA in the D^* -final state. <i>European Physical Journal C</i> , 2007 , 50, 299-314	4.2	17
443	Measurement of K^0_S and Λ production at HERA. <i>European Physical Journal C</i> , 2007 , 51, 1-23	4.2	17
442	Quark and diquark fragmentation into neutral strange particles as observed in muon-proton interactions at 280 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 145, 156-162	4.2	17
441	Measurement of double-differential cross sections for top quark pair production in pp collisions at [Formula: see text] and impact on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 459	4.2	16
440	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
439	Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 3	4.2	16
438	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
437	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
436	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
435	Measurement of WZ and ZZ production in pp collisions at [Formula: see text] in final states with b-tagged jets. <i>European Physical Journal C</i> , 2014 , 74, 2973	4.2	16
434	Search for exotic resonances decaying into WZ/ZZ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	16
433	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
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428	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
427	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
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425	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
424	Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks. <i>Physical Review D</i> , 2018 , 97,	4.9	16
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422	Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	15
421	Search for a W^\pm boson decaying to a lepton and a neutrino in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 107-131	4.2	15
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419	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
418	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
417	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
416	Search for pair production of first-generation scalar leptoquarks at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	15
415	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134876	4.2	15
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413	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	15
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407	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 $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135087	4-2	15
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405	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
404	Measurement of the jet mass in highly boosted [Formula: see text] events from pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 467	4-2	14
403	Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at $s_{NN}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 791, 172-194	4-2	14
402	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
401	Search for disappearing tracks in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 806, 135502	4-2	14
400	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
399	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
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397	Charged-particle angular correlations in XeXe collisions at $s_{NN}=5.44$ TeV. <i>Physical Review C</i> , 2019 , 100,	2-7	14
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392	Measurement of the $(\overline{\text{tt}})$ 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
391	Search for stop production in R-parity-violating supersymmetry at HERA. <i>European Physical Journal C</i> , 2007 , 50, 269	4.2	14
390	Strangeness production in deep inelastic muon nucleon scattering at 280 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 34, 283-291		14
389	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
388	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
387	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
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380	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 768, 137-162	4.2	13
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362	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
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358	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

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338	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	12
337	Measurement of jet substructure observables in $t\bar{t}$ events from proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	12
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335	Studies of η and 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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333	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
332	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 $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 778, 263-291	4.2	12
331	Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	11
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328	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
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318	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
317	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
316	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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303	Search for $Z\bar{\nu}$ 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
302	Search for the decay of a Higgs boson in the $\bar{\nu}\nu$ channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
301	Search for beyond the standard model Higgs bosons decaying into a ($\overline{\mathbf{b}}\mathbf{b}$) pair in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
300	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
299	Search for new neutral Higgs bosons through the ($\mathbf{H}\rightarrow\mathbf{ZA}\rightarrow\{\ell\}^+\{\ell\}^-\overline{\mathbf{b}}\mathbf{b}$) process in pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
298	A multi-dimensional search for new heavy resonances decaying to boosted $\tau\tau$ or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
297	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at ($\sqrt{s}=8$) TeV using $\mathbf{H}\rightarrow\mathbf{WW}$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
296	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
295	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
294	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
293	Search for physics beyond the standard model in events with leptons, jets, and large transverse momentum imbalance in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2493	4.2	10
292	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
291	Search for high-mass $Z\bar{\nu}$ 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
290	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
289	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
288	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
287	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
286	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

285	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	10
284	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	10
283	Diffractive physics at HERA. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1990 , 12, 149-158		10
282	Charm production in deep inelastic muon-iron interactions at 200 GeV/c. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 35, 1-6		10
281	Measurement of properties of ($\mathbf{B}_s^0 \rightarrow \mu\mu$) decays and search for $\mathbf{B}_0 \rightarrow \mu\mu$ with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
280	Measurement of the $\Upsilon(1S)$ pair production cross section and search for resonances decaying to $\Upsilon(1S)\mu\mu$ in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 808, 135578	4.2	10
279	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
278	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	10
277	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
276	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
275	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	9
274	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
273	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
272	Running of the top quark mass from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135263	4.2	9
271	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
270	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 118-143	4.2	9
269	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
268	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

267	Measurement of b hadron lifetimes in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 457	4.2	9
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265	Search for new phenomena in events with high jet multiplicity and low missing transverse momentum in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 257-267	4.2	9
264	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
263	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
262	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
261	DIPSI: a Monte Carlo generator for elastic vector meson production in charged lepton-proton scattering. <i>Computer Physics Communications</i> , 1997 , 100, 195-214	4.2	9
260	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
259	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
258	Search for a light pseudoscalar Higgs boson in the boosted γ final state in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
257	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $[e\mu]$ pair in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 317	4.2	9
256	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
255	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
254	Search for a singly produced third-generation scalar leptoquark decaying to a μ 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
253	Measurement of the top quark mass in the dileptonic $t\bar{t}$ decay channel using the mass observables $M_{b\bar{b}}$, M_{T2} , and $M_{b\bar{b}n}$ in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	8
252	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
251	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
250	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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248	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
247	Search for Higgsino pair production in pp collisions at $s=13$ 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
246	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at ($\sqrt{s_{\text{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
245	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
244	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
243	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	8
242	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
241	Measurement of the triple-differential dijet cross section in proton-proton collisions at and constraints on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 746	4.2	8
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239	Inclusive production of the $\Upsilon(1232)$ resonance in muon-proton scattering at 280 GEV/c. <i>Nuclear Physics B</i> , 1986 , 264, 739-751	2.8	8
238	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135042	4.2	8
237	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
236	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
235	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	8
234	Angular analysis of the decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	8
233	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
232	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	7

231	Search for electroweak production of charginos in final states with two leptons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
230	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
229	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>Physical Review Letters</i> , 2017 , 119, 151802	7-4	7
228	Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $s=13$ TeV. <i>Physical Review D</i> , 2017 , 96,	4-9	7
227	Studies of Beauty Suppression via Nonprompt $D^{\{0\}}$ Mesons in Pb-Pb Collisions at $\sqrt{s_{\{NN\}}}=5.02$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 022001	7-4	7
226	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 011803	7-4	7
225	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
224	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at $= 13$. <i>European Physical Journal C</i> , 2019 , 79, 94	4-2	7
223	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
222	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
221	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at ($\sqrt{\mathrm{s}}$) = 13 TeV and constraints on anomalous quartic couplings. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	7
220	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at ($\sqrt{\mathrm{s}}$) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	7
219	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
218	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
217	Jet properties in PbPb and pp collisions at ($\sqrt{s_{\{N\};\mathrm{N}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
216	Measurement of $D^*\pi$ production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	7
215	Measurement of $D\pi$ production in deep inelastic ep scattering with the ZEUS detector at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	7
214	Measurement of the semileptonic ($\mathrm{t}\overline{\mathrm{t}}$) + $\bar{\nu}$ production cross section 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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212	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
211	Measurement of the $Z\gamma$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
210	Measurement of isolated photons accompanied by jets in deep inelastic ep scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 715, 88-97	4.2	7
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205	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
204	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
203	Searches for R-parity-violating supersymmetry in pp collisions at $s=8$ TeV in final states with 0γ leptons. <i>Physical Review D</i> , 2016 , 94,	4.9	7
202	Search for long-lived particles using delayed photons in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	7
201	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
200	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
199	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
198	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
197	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
196	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\gamma q$ final states at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7

195	Search for dark matter produced in association with a Higgs boson decaying to $\tau\tau$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
194	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
193	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
192	Search for a Light Charged Higgs Boson Decaying to a W Boson and a CP-Odd Higgs Boson in Final States with $e\tau$ in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 131802	7.4	6
191	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
190	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
189	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
188	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
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185	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tau\tau$ and $e\tau$ in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
184	Measurement of the B polarization and angular parameters in $B \rightarrow J/\psi$ decays from pp collisions at $s=7$ and 8 TeV. <i>Physical Review D</i> , 2018 , 97,	4.9	6
183	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 536	4.2	6
182	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
181	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
180	Measurement of the mass difference between top quark and antiquark in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 50-71	4.2	6
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176	Production of γ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 915-921	4.2	6
175	Measurement of the energy dependence of the total photon-proton cross section at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 697, 184-193	4.2	6
174	Measurement of J/ψ photoproduction at large momentum transfer at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	6
173	Diffraction dijet cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , 1998 , 5, 41-56	4.2	6
172	Photoproduction of events with rapidity gaps between jets at HERA. <i>European Physical Journal C</i> , 2007 , 50, 283-297	4.2	6
171	Jet production in high Q^2 deep-inelastic ep scattering at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 81-92		6
170	Search for the associated production of the Higgs boson with a top-quark pair 2014 , 2014, 1		6
169	Search for supersymmetry in pp collisions at $\sqrt{s}=13$ 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
168	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4.9	6
167	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
166	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
165	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
164	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
163	Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions. <i>Physical Review C</i> , 2018 , 98,	2.7	6
162	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
161	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
160	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

159	Search for a heavy resonance decaying into a Z boson and a vector boson in the $(\overline{\nu}_q \overline{\nu}_q)$ final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
158	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
157	Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , 2017 , 96,	2.7	5
156	Measurement of B_s^0 meson production in pp and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 168-190	4.2	5
155	Combinations of single-top-quark production cross-section measurements and $ f_{LVVtb} $ determinations at $(\sqrt{s}) = 7$ and 8 TeV with the ATLAS and CMS experiments. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
154	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
153	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
152	An embedding technique to determine \bar{b} backgrounds in proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P06032-P06032	1	5
151	Measurement of the top quark Yukawa coupling from tt kinematic distributions in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	5
150	Measurement of inelastic J/ψ and ψ' photoproduction at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	5
149	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
148	Comparison of the $Z/\psi + \text{jets}$ to $\psi + \text{jets}$ cross sections in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	5
147	Proton and antiproton production in deep inelastic muon-nucleon scattering at 280 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 35, 433-441		5
146	Measurement of energy flow at large pseudorapidities in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV 2011 , 2011, 1		5
145	Observation of the $B^0 \rightarrow J/\psi$ 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
144	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
143	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
142	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

141	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
140	Search for resonances decaying to a pair of Higgs bosons in the $b(\overline{b})q(\overline{q})$ final state in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
139	Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 799, 135049	4.2	5
138	Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135285	4.2	5
137	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
136	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
135	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
134	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
133	Search for excited quarks of light and heavy flavor in 3 -jet final states in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 390-411	4.2	5
132	Search for Higgs and Z boson decays to J/ψ or Υ pairs in the four-muon final state in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134811	4.2	4
131	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
130	Search for the pair production of light top squarks in the $e\bar{e}\chi\bar{\chi}$ final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
129	Search for nonresonant Higgs boson pair production in the $(b\overline{b})b\overline{b}$ final state at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
128	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
127	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
126	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 302	4.2	4
125	Search for resonant pair production of Higgs bosons in the $b\bar{b}Z\bar{Z}$ channel in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4.9	4
124	Evidence for $(W)W$ production from double-parton interactions in proton-proton collisions at $(\sqrt{s} = 13, \text{TeV})$. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4

123	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
122	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
121	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
120	Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 166-190	4.2	4
119	Combination of inclusive and differential ($\overline{\mathrm{t}}$) charge asymmetry measurements using ATLAS and CMS data at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
118	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
117	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
116	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
115	Search for CP violation in ($\overline{\mathrm{t}}$) 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
114	Measurement of neutral current cross sections at high Bjorken-x with the ZEUS detector at HERA. <i>European Physical Journal C</i> , 2007 , 49, 523-544	4.2	4
113	Testing and installation of ZEUS Leading Proton Spectrometer detector planes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994 , 342, 260-263	1.2	4
112	Charge structure of the hadronic final state in deep-inelastic muon-nucleon scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1988 , 40, 347-355		4
111	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
110	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
109	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
108	Observation of the $B_{\mathrm{s}}^{0\rightarrow X(3872)'}?$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 152001	7.4	4
107	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
106	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

105	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
104	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 ℓ leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
103	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
102	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
101	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
100	Study of J/ψ meson production inside jets in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 804, 135409	4.2	3
99	Measurement of the inclusive $(\overline{\text{t}})$ 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
98	Search for ZZ resonances in the 2ℓ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
97	Search for the production of $W\overline{W}$ events at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	3
96	Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	3
95	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
94	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
93	Study of hadronic event-shape variables in multijet final states in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	3
92	Measurement of the cross section for production of $(\overline{b} X)$ decaying to muons in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	3
91	Measurement of D^+ and \overline{D}^+ production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	3
90	Measurement of the proton structure function F_2 at low x and low Q^2 at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 607-620		3
89	The LAA project. <i>Rivista Del Nuovo Cimento</i> , 1990 , 13, 1-131	3.5	3
88	Measurements of the $(\text{p}) \rightarrow (\text{Z})$ production cross section and the $(\text{Z}) \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13, \text{TeV})$ 2018 , 78, 1		3

87	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
86	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV 2014 , 2014, 1		3
85	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 808, 135609	4.2	3
84	Investigation into the event-activity dependence of η (nS) relative production in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
83	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
82	Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 102001	7.4	3
81	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
80	Measurement of differential cross sections for Z boson pair production in association with jets at $s=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 19-44	4.2	3
79	Event shape variables measured using multijet final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
78	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to eFinal states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
77	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
76	Observation of the decay $B \rightarrow \psi(1020)K^+$ in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 66-86	4.2	2
75	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
74	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
73	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
72	Search for decays of the 125 GeV Higgs boson into a Z boson and a τ meson. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
71	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	2
70	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2

69	Multiparticle correlation studies in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review C</i> , 2020 , 101,	2.7	2
68	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
67	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
66	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
65	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
64	Search for $W \rightarrow tb$ in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
63	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
62	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 $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 769-784, 100	4.2	2
61	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
60	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
59	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
58	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
57	Measurements of the $pp \rightarrow W^\pm$ and $pp \rightarrow Z\tau$ 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
56	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
55	Angular correlations in three-jet events in ep collisions at HERA. <i>Physical Review D</i> , 2012 , 85,	4.9	2
54	Measurement of elastic π^0 photoproduction at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 39-54		2
53	Advances in technology for high-energy subnuclear physics Contribution of the LAA project. <i>Rivista Del Nuovo Cimento</i> , 1990 , 13, 1-228	3.5	2
52	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $(\sqrt{s}=8)$ TeV 2013 , 2013, 1		2

51	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
50	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
49	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
48	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
47	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
46	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , 2020 , 80, 718	4.2	2
45	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
44	Search for pair-produced three-jet resonances in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	2
43	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
42	Search for supersymmetry in events with a photon, jets, -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
41	Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , 2019 , 122, 151802	7.4	1
40	Search for Narrow H Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 081804	7.4	1
39	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
38	Search for dijet resonances using events with three jets in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135448	4.2	1
37	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
36	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
35	Scaled momentum distributions for $(K_S^0)KS$ and $(\Lambda/\bar{\Lambda})$ in DIS at HERA. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	1
34	Study of taupair production at HERA. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	1

33	Scaled momentum spectra in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	1
32	Diffractive production of vector mesons in muon scattering on nucleons and nuclei 1995 , 108, 1247-1258		1
31	Study of the ($\mathrm{B}^+ \rightarrow \mathrm{J}/\psi \overline{\Lambda} \mathrm{p}$) decay in proton-proton collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
30	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
29	Measurement of the cross section for ($\mathrm{t} \overline{\mathrm{t}}$) 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
28	Development and validation of HERWIG7 tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
27	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
26	Observation of the $Z \rightarrow \tau^+ \tau^-$ Decay in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 141801	7.4	1
25	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
24	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
23	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
22	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
21	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	0
20	Search for a heavy vector resonance decaying to a W boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 688	4.2	0
19	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	0
18	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	0
17	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 153	4.2	0
16	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 290	4.2	0

15	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	○
14	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	○
13	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	○
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11	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	○
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