

David d Enterria

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777 papers	34,284 citations	87 h-index	153 g-index
819 ext. papers	38,683 ext. citations	4.9 avg, IF	6.93 L-index

#	Paper	IF	Citations
777	Formation of dense partonic matter in relativistic nucleus-nucleus collisions at RHIC: Experimental evaluation by the PHENIX Collaboration. <i>Nuclear Physics A</i> , 2005 , 757, 184-283	1.3	2088
776	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments. <i>Physical Review Letters</i> , 2015 , 114, 191803	7.4	709
775	CMS Physics Technical Design Report, Volume II: Physics Performance. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, 995-1579	2.9	602
774	Determination of jet energy calibration and transverse momentum resolution in CMS. <i>Journal of Instrumentation</i> , 2011 , 6, P11002-P11002	1	463
773	Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2007 , 98,	7.4	448
772	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 TeV. <i>European Physical Journal C</i> , 2015 , 75, 212	4.2	399
771	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s}=7$ TeV. <i>Journal of Instrumentation</i> , 2012 , 7, P10002-P10002	1	398
770	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
769	J/psi production versus centrality, transverse momentum, and rapidity in Au+Au collisions at square root $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2007 , 98, 232301	7.4	386
768	Identification of b-quark jets with the CMS experiment. <i>Journal of Instrumentation</i> , 2013 , 8, P04013-P04013	1	376
767	Absence of suppression in particle production at large transverse momentum in $\sqrt{s_{NN}}=200$ GeV d+Au collisions. <i>Physical Review Letters</i> , 2003 , 91, 072303	7.4	338
766	The physics of ultraperipheral collisions at the LHC. <i>Physics Reports</i> , 2008 , 458, 1-171	27.7	334
765	Observation of the rare $B(s)(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
764	A Large Hadron Electron Collider at CERN Report on the Physics and Design Concepts for Machine and Detector. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012 , 39, 075001	2.9	317
763	Study of high-p _T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	316
762	Description and performance of track and primary-vertex reconstruction with the CMS tracker. <i>Journal of Instrumentation</i> , 2014 , 9, P10009-P10009	1	279
761	Enhanced production of direct photons in Au + Au collisions at square root(S_{NN}) = 200 GeV and implications for the initial temperature. <i>Physical Review Letters</i> , 2010 , 104, 132301	7.4	274

760	Scaling properties of azimuthal anisotropy in Au+Au and Cu+Cu Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2007 , 98, 162301	7.4	272
759	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
758	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
757	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
756	Dense-medium modifications to jet-induced hadron pair distributions in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2006 , 97, 052301	7.4	250
755	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
754	Detailed measurement of the $e+e$ pair continuum in p+p and Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV and implications for direct photon production. <i>Physical Review C</i> , 2010 , 81,	2.7	237
753	Heavy-ion collisions at the LHC last call for predictions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 054001	2.9	235
752	Nuclear modification of electron spectra and implications for heavy quark energy loss in Au+Au collisions at [FORMULA: SEE TEXT]. <i>Physical Review Letters</i> , 2006 , 96, 032301	7.4	234
751	First look at the physics case of TLEP. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	233
750	Dihadron azimuthal correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2008 , 78,	2.7	228
749	Suppression pattern of neutral pions at high transverse momentum in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV and constraints on medium transport coefficients. <i>Physical Review Letters</i> , 2008 , 101, 232301	7.4	224
748	Measurement of the $B_s(0) \rightarrow \mu^+ \mu^-$ branching fraction and search for $B(0) \rightarrow \mu^+ \mu^-$ with the CMS experiment. <i>Physical Review Letters</i> , 2013 , 111, 101804	7.4	220
747	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
746	Centrality dependence of direct photon production in ($\sqrt{s_{NN}} = 200$ GeV Au + Au collisions. <i>Physical Review Letters</i> , 2005 , 94, 232301	7.4	200
745	FCC-hh: The Hadron Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 755-1107	2.3	196
744	FCC-ee: The Lepton Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 261-623	2.3	193
743	Search for supersymmetry at the LHC in events with jets and missing transverse energy. <i>Physical Review Letters</i> , 2011 , 107, 221804	7.4	188

742	Suppression of non-prompt J/ψ and $(\Upsilon)(1S)$ in PbPb collisions at $(\sqrt{s_{\text{NN}}}) = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	184
741	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
740	Heavy-quark production in p + p and energy loss and flow of heavy quarks in Au + Au collisions at $\sqrt{s_{\text{NN}}}=200$ GeV. <i>Physical Review C</i> , 2011 , 84,	2.7	182
739	Measurement of high-pT single electrons from heavy-flavor decays in p + p collisions at square root of $s = 200$ GeV. <i>Physical Review Letters</i> , 2006 , 97, 252002	7.4	177
738	FCC Physics Opportunities. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	174
737	Observation of sequential Λ suppression in PbPb collisions. <i>Physical Review Letters</i> , 2012 , 109, 222301	7.4	172
736	Search for top-squark pair production in the single-lepton final state in pp collisions at $(\sqrt{s}=8 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	162
735	Measurement of neutral mesons in p+p collisions at $\sqrt{s}=200$ GeV and scaling properties of hadron production. <i>Physical Review D</i> , 2011 , 83,	4.9	162
734	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $(\sqrt{s_{\text{NN}}}= 2.76 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	158
733	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
732	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
731	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 3149	4.2	149
730	Inclusive cross section and double helicity asymmetry for Λ production in p+p collisions at $\sqrt{s}=200$ GeV: Implications for the polarized gluon distribution in the proton. <i>Physical Review D</i> , 2007 , 76,	4.9	147
729	Identified charged hadron production in p+p collisions at $\sqrt{s}=200$ and 62.4 GeV. <i>Physical Review C</i> , 2011 , 83,	2.7	146
728	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
727	J/ψ production versus transverse momentum and rapidity in p+p collisions at square root $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2007 , 98, 232002	7.4	143
726	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s}= 8$ TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P08010-P08010	1	141
725	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $(\sqrt{s} = 0.9, 2.76, 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	133

7 ²⁴	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
7 ²³	Centrality Dependence of \bar{D} and D Production at Large Transverse Momentum in sNN=200 GeV d+Au Collisions. <i>Physical Review Letters</i> , 2007 , 98,	7.4	128
7 ²²	Measurement of transverse single-spin asymmetries for midrapidity production of neutral pions and charged hadrons in polarized p + p collisions at square root(s) = 200 GeV. <i>Physical Review Letters</i> , 2005 , 95, 202001	7.4	127
7 ²¹	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
7 ²⁰	Constraints from the first LHC data on hadronic event generators for ultra-high energy cosmic-ray physics. <i>Astroparticle Physics</i> , 2011 , 35, 98-113	2.4	121
7 ¹⁹	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
7 ¹⁸	Search for dijet resonances in 7 TeV pp collisions at CMS. <i>Physical Review Letters</i> , 2010 , 105, 211801	7.4	116
7 ¹⁷	Search for dark matter and large extra dimensions in pp collisions yielding a photon and missing transverse energy. <i>Physical Review Letters</i> , 2012 , 108, 261803	7.4	116
7 ¹⁶	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
7 ¹⁵	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Instrumentation</i> , 2013 , 8, P09009-P09009	1	111
7 ¹⁴	Measurement of direct photon production in p+p collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review Letters</i> , 2007 , 98, 012002	7.4	111
7 ¹³	J/ ψ production and nuclear effects for d + Au and p + p collisions at square root of S(NN) = 200 GeV. <i>Physical Review Letters</i> , 2006 , 96, 012304	7.4	109
7 ¹²	Common suppression pattern of eta and pi0 mesons at high transverse momentum in Au + Au collisions at square root S(NN) = 200 GeV. <i>Physical Review Letters</i> , 2006 , 96, 202301	7.4	108
7 ¹¹	ProtonNucleus collisions at the LHC: scientific opportunities and requirements. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012 , 39, 015010	2.9	105
7 ¹⁰	Measurements of Elliptic and Triangular Flow in High-Multiplicity 3He+Au Collisions at ($\sqrt{s}(\text{NN})=200$ GeV. <i>Physical Review Letters</i> , 2015 , 115, 142301	7.4	104
7 ⁰⁹	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
7 ⁰⁸	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
7 ⁰⁷	Evidence for the 125 GeV Higgs boson decaying to a pair of ℓ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	101

706	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
705	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010 , 70, 1165-1192	4.1	99
704	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, 2307-2455	2.9	99
703	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
702	J/psi production in $\sqrt{s_{NN}}=200$ GeV Cu+Cu collisions. <i>Physical Review Letters</i> , 2008 , 101, 122301	7.4	97
701	Observation of $t\bar{t} \rightarrow H$ Production. <i>Physical Review Letters</i> , 2018 , 120, 231801	7.4	96
700	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
699	Missing transverse energy performance of the CMS detector. <i>Journal of Instrumentation</i> , 2011 , 6, P09001-P09004	4.1	94
698	Elliptic flow for phi mesons and (anti)deuterons in Au+Au collisions at square root of $s_{NN}=200$ GeV. <i>Physical Review Letters</i> , 2007 , 99, 052301	7.4	94
697	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
696	Cold nuclear matter effects on J/psi yields as a function of rapidity and nuclear geometry in d+A collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2011 , 107, 142301	7.4	92
695	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
694	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 172302	7.4	90
693	Evidence for the direct decay of the 125 GeV Higgs boson to fermions. <i>Nature Physics</i> , 2014 , 10, 557-560	16.2	90
692	Cold nuclear matter effects on J/psi production as constrained by deuteron-gold measurements at $s_{NN}=200$ GeV. <i>Physical Review C</i> , 2008 , 77,	2.7	90
691	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
690	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ($\sqrt{s_{NN}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	87
689	Observing light-by-light scattering at the Large Hadron Collider. <i>Physical Review Letters</i> , 2013 , 111, 080405	4.5	85

688	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s} = 8$ TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P02006-P02006	1	84
687	Photoproduction of J/ψ and of high mass e^+e^- in ultra-peripheral Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 679, 321-329	4.2	84
686	Quantitative constraints on the transport properties of hot partonic matter from semi-inclusive single high transverse momentum pion suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2008 , 77,	2.7	83
685	Nuclear effects on hadron production in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV revealed by comparison with p+p data. <i>Physical Review C</i> , 2006 , 74,	2.7	83
684	Improved Monte Carlo Glauber predictions at present and future nuclear colliders. <i>Physical Review C</i> , 2018 , 97,	2.7	83
683	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
682	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
681	Performance of \bar{b} -lepton reconstruction and identification in CMS. <i>Journal of Instrumentation</i> , 2012 , 7, P01001-P01001	1	81
680	Detailed study of high-pT neutral pion suppression and azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2007 , 76,	2.7	81
679	Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , 2018 , 121, 121801	7.4	79
678	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
677	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
676	Searches for new physics using the $t\bar{t}$ invariant mass distribution in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 211804	7.4	76
675	Systematic studies of elliptic flow measurements in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2009 , 80,	2.7	76
674	Reconstruction and identification of τ -lepton decays to hadrons and $\bar{b}t$ CMS. <i>Journal of Instrumentation</i> , 2016 , 11, P01019-P01019	1	75
673	LHC forward physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016 , 43, 110201	2.9	75
672	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	74
671	Searches for invisible decays of the Higgs boson in pp collisions at $(\sqrt{s}) = 7, 8$, and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	74

670	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s}=7$ TeV at the LHC. <i>Journal of Instrumentation</i> , 2013 , 8, P11002-P11002	1	74
669	Jet properties from dihadron correlations in p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2006 , 74,	4.9	74
668	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
667	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	73
666	High transverse momentum meson production in p+p,d+Au, and Au+Au collisions at $\sqrt{s_{\mathrm{NN}}}=200$ GeV. <i>Physical Review C</i> , 2007 , 75,	2.7	73
665	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
664	HE-LHC: The High-Energy Large Hadron Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 1109-1382	2.3	72
663	Quantitative constraints on the gluon distribution function in the proton from collider isolated-photon data. <i>Nuclear Physics B</i> , 2012 , 860, 311-338	2.8	72
662	Inclusive cross section and double helicity asymmetry for ϕ production in p+p collisions at $\sqrt{s}=62.4$ GeV. <i>Physical Review D</i> , 2009 , 79,	4.9	72
661	Dilepton mass spectra in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 670, 313-320	4.2	72
660	Measurement of direct photons in Au+Au collisions at ($\sqrt{s_{\mathrm{NN}}})=200$ GeV. <i>Physical Review Letters</i> , 2012 , 109, 152302	7.4	72
659	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
658	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
657	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
656	Measurement of the single-top-quark t-channel cross section in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	70
655	Measurement of the underlying event activity at the LHC with ($\sqrt{s}=7$) TeV and comparison with ($\sqrt{s}=0.9$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	70
654	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	69
653	J/ψ and ψ(2S) production in pp collisions at ($\sqrt{s}=7$ {\text{TeV}}). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	69

652	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at ($\sqrt{s_{\mathrm{NN}}} = 5.02$) (,text {TeV}). <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	67
651	Nuclear modification factors for hadrons at forward and backward rapidities in deuteron-gold collisions at $\sqrt{s_{\mathrm{NN}}}=200$ GeV. <i>Physical Review Letters</i> , 2005 , 94, 082302	7.4	67
650	Study of Z Boson Production in PbPb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 212301	7.4	66
649	Search for anomalous production of multilepton events in pp collisions at ($\sqrt{s} = 7$,TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	65
648	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{N}};\mathrm{N}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
647	Measurement of the ($\mathrm{t}\overline{\mathrm{t}}$) 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
646	Measurement of bottom versus charm as a function of transverse momentum with electron-hadron correlations in p + p collisions at square root of s = 200 GeV. <i>Physical Review Letters</i> , 2009 , 103, 082002	7.4	64
645	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
644	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 221801	7.4	62
643	Observation of the associated production of a single top quark and a W boson in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 231802	7.4	62
642	Ground and excited state charmonium production in p+p collisions at $s=200$ GeV. <i>Physical Review D</i> , 2012 , 85,	4.9	62
641	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
640	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
639	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
638	Transverse-energy distributions at midrapidity in p+p, d+Au, and Au+Au collisions at $\sqrt{s_{\mathrm{NN}}}=62.4\text{--}200$ GeV and implications for particle-production models. <i>Physical Review C</i> , 2014 , 89,	2.7	61
637	Onset of $\pi(0)$ suppression studied in Cu+Cu collisions at $\sqrt{s_{\mathrm{NN}}}=22.4, 62.4$, and 200 GeV. <i>Physical Review Letters</i> , 2008 , 101, 162301	7.4	61
636	Transverse energy production and charged-particle multiplicity at midrapidity in various systems from $\sqrt{s_{\mathrm{NN}}}=7.7$ to 200 GeV. <i>Physical Review C</i> , 2016 , 93,	2.7	60
635	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at ($\sqrt{s_{\mathrm{NN}}}$) =2.76 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60

634	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
633	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
632	Search for top-quark partners with charge 5/3 in the same-sign dilepton final state. <i>Physical Review Letters</i> , 2014 , 112, 171801	7.4	58
631	Gluon-spin contribution to the proton spin from the double-helicity asymmetry in inclusive π^0 production in polarized p+p collisions at $[\sqrt{s}] = 200$ GeV. <i>Physical Review Letters</i> , 2009 , 103, 012003	7.4	58
630	Nuclear modification factors of η mesons in d+Au, Cu+Cu, and Au+Au collisions at $s_{NN} = 200$ GeV. <i>Physical Review C</i> , 2011 , 83,	2.7	58
629	Estimates of hadron azimuthal anisotropy from multiparton interactions in proton-proton collisions at $(\sqrt{s}) = 14$ TeV. <i>European Physical Journal C</i> , 2010 , 66, 173-185	4.2	58
628	Measurement of single electron event anisotropy in Au+Au collisions at $s_{NN} = 200$ GeV. <i>Physical Review C</i> , 2005 , 72,	2.7	58
627	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
626	Photon-hadron jet correlations in p+p and Au+Au collisions at $s_{NN} = 200$ GeV. <i>Physical Review C</i> , 2009 , 80,	2.7	57
625	Observation of a new Λ_b baryon. <i>Physical Review Letters</i> , 2012 , 108, 252002	7.4	57
624	Jet structure of baryon excess in Au+Au collisions at $s_{NN} = 200$ GeV. <i>Physical Review C</i> , 2005 , 71,	2.7	57
623	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
622	Measurement of the W^+W^- cross section in pp collisions at $(\sqrt{s}) = 7$ TeV and limits on anomalous $WW\gamma$ and WWZ couplings. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	56
621	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
620	Transition in yield and azimuthal shape modification in dihadron correlations in relativistic heavy ion collisions. <i>Physical Review Letters</i> , 2010 , 104, 252301	7.4	56
619	Transverse momentum dependence of J/ψ polarization at midrapidity in p+p collisions at $s = 200$ GeV. <i>Physical Review D</i> , 2010 , 82,	4.9	56
618	Charged hadron multiplicity fluctuations in Au+Au and Cu+Cu collisions from $s_{NN} = 22.5$ to 200 GeV. <i>Physical Review C</i> , 2008 , 78,	2.7	56
617	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

616	Measurement of the pseudorapidity and centrality dependence of the transverse energy density in Pb-Pb collisions at $\sqrt{s}(\text{NN})=2.76$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 152303	7.4	55
615	Probing the QCD equation of state with thermal photons in nucleus-nucleus collisions at RHIC. <i>European Physical Journal C</i> , 2006 , 46, 451-464	4.2	55
614	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
613	Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at $\sqrt{s_{\text{NN}}}=200$ GeV: Jet quenching and the response of partonic matter. <i>Physical Review C</i> , 2008 , 77,	2.7	54
612	Search for signatures of extra dimensions in the diphoton mass spectrum at the large hadron collider. <i>Physical Review Letters</i> , 2012 , 108, 111801	7.4	53
611	System size and energy dependence of jet-induced hadron pair correlation shapes in Cu+Cu and Au+Au collisions at square root $\sqrt{s_{\text{NN}}}=200$ and 62.4 GeV. <i>Physical Review Letters</i> , 2007 , 98, 232302	7.4	53
610	Indications of suppressed high p_T hadron production in nucleus-nucleus collisions at CERN-SPS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 596, 32-43	4.2	53
609	Search for $(\{B\}_s^0 \rightarrow \mu^+ \mu^-)$ and $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
608	Search for a light pseudoscalar Higgs boson in the dimuon decay channel in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 121801	7.4	51
607	Deuteron and antideuteron production in Au+Au collisions at square root of $\sqrt{s(\text{NN})}=200$ GeV. <i>Physical Review Letters</i> , 2005 , 94, 122302	7.4	51
606	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2015 , 75, 147	4.2	50
605	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ 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
604	High- p_T π^0 production with respect to the reaction plane in Au+Au collisions at $\sqrt{s_{\text{NN}}}=200$ GeV. <i>Physical Review C</i> , 2009 , 80,	2.7	50
603	Jet structure from dihadron correlations in d+Au collisions at $\sqrt{s_{\text{NN}}}=200$ GeV. <i>Physical Review C</i> , 2006 , 73,	2.7	50
602	Saturation of azimuthal anisotropy in Au + Au collisions at $\sqrt{s(\text{NN})} = 62-200$ GeV. <i>Physical Review Letters</i> , 2005 , 94, 232302	7.4	50
601	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
600	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
599	Double helicity asymmetry in inclusive midrapidity π^0 production for polarized p+p collisions at square root $\sqrt{s} = 200$ GeV. <i>Physical Review Letters</i> , 2004 , 93, 202002	7.4	49

598	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
597	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
596	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
595	Measurement of the B^0 production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 252001	7.4	48
594	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
593	Search for flavor-changing neutral currents in top-quark decays $t \rightarrow Zq$ in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 171802	7.4	46
592	Measurement of the relative prompt production rate of $t\bar{t}$ and $t\bar{t}Z$ in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2251	4.2	46
591	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
590	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
589	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
588	Exclusive $t\bar{t}H$ production in proton-proton collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
587	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
586	Search for exclusive or semi-exclusive $t\bar{t}H$ production and observation of exclusive and semi-exclusive $e^+e^-t\bar{t}$ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
585	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
584	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with two photons and missing transverse energy. <i>Physical Review Letters</i> , 2011 , 106, 211802	7.4	45
583	Single electrons from heavy-flavor decays in collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 032001	7.4	45
582	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \pi^0$ in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	44
581	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

580	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
579	Search for $B(s)0 \rightarrow \mu^+ \mu^-$ and $B(0) \rightarrow \mu^+ \mu^-$ decays in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 191802	7-4	44
578	Measurement of identified and inclusive photon second-harmonic parameter and implications for direct photon production in [FORMULA: SEE TEXT] Au+Au. <i>Physical Review Letters</i> , 2006 , 96, 032302	7-4	44
577	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
576	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
575	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
574	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
573	Measurement of transverse-single-spin asymmetries for midrapidity and forward-rapidity production of hadrons in polarized p+p collisions at $s=200$ and 62.4 GeV. <i>Physical Review D</i> , 2014 , 90,	4-9	42
572	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
571	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
570	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
569	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
568	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
567	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
566	Confronting current NLO parton fragmentation functions with inclusive charged-particle spectra at hadron colliders. <i>Nuclear Physics B</i> , 2014 , 883, 615-628	2-8	39
565	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
564	Study of the underlying event at forward rapidity in pp collisions at ($\sqrt{s}=0.9, 2.76, \text{and } 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
563	Measurement of the ZZ production cross section and search for anomalous couplings in $2\ell\ell$ final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39

562	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
561	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
560	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
559	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
558	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
557	Measurement of prompt $(2S)$ to J/ψ yield ratios in Pb-Pb and p-p collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2014 , 113, 262301	7-4	38
556	Search for top squark and Higgsino production using diphoton Higgs boson decays. <i>Physical Review Letters</i> , 2014 , 112, 161802	7-4	38
555	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at ($\sqrt{s} = 7$; {text{TeV}}). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	38
554	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
553	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
552	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
551	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
550	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
549	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
548	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
547	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
546	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
545	Medium modification of jet fragmentation in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV measured in direct photon-hadron correlations. <i>Physical Review Letters</i> , 2013 , 111, 032301	7-4	37

544	Sensitivity of isolated photon production at TeV hadron colliders to the gluon distribution in the proton. <i>Physical Review D</i> , 2010 , 82,	4.9	37
543	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
542	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
541	Search for dark photons from neutral meson decays in p+p and d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2015 , 91,	2.7	36
540	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
539	Measurement of the top-quark mass in ($\overline{t}t$) events with dilepton final states in pp collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	36
538	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
537	Midrapidity direct-photon production in p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2005 , 71,	4.9	36
536	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
535	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
534	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
533	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
532	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
531	Measurement of the ($\overline{t}t$) 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
530	Production of mesons in p + p, d + Au, Cu + Cu, and Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2011 , 84,	2.7	35
529	Alignment of the CMS silicon tracker during commissioning with cosmic rays. <i>Journal of Instrumentation</i> , 2010 , 5, T03009-T03009	1	35
528	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
527	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

526	Search for microscopic black holes in pp collisions at ($\sqrt{s} = \text{7TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	34
525	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
524	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. <i>Journal of Instrumentation</i> , 2010 , 5, T03014-T03014	1	34
523	Cross section and double helicity asymmetry for Υ mesons and their comparison to \bar{D} production in p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2011 , 83,	4-9	34
522	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
521	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
520	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
519	Search for a light charged Higgs boson decaying to ($\text{c}\overline{\text{s}}$) in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5-4	33
518	Quark-gluon matter. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, S53-S81	2-9	33
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516	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
515	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
514	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
513	Evidence for a long-range component in the pion emission source in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2007 , 98, 132301	7-4	32
512	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
511	Performance and operation of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010 , 5, T03010-T03010	1	31
510	Measurement of the ($\text{t}\overline{\text{t}}$) 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
509	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

508	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
507	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
506	Measurement of the top-quark mass in ($\overline{\text{t}}\text{t}$) 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
505	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
504	Direct photon production in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2013 , 87,	2.7	30
503	Transverse momentum dependence of ϕ -meson suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2010 , 82,	2.7	30
502	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2018 , 78, 165	4.2	29
501	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable E_T . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	29
500	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
499	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3060	4.2	29
498	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3129	4.2	29
497	Performance of CMS muon reconstruction in cosmic-ray events. <i>Journal of Instrumentation</i> , 2010 , 5, T03022-T03022		
496	Source breakup dynamics in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV via three-dimensional two-pion source imaging. <i>Physical Review Letters</i> , 2008 , 100, 232301	7.4	29
495	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
494	Search for heavy Majorana neutrinos in $e^+e^- + \text{jets}$ and $e^+e^- + \gamma + \text{jets}$ events in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28
493	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
492	Charged Kaon interferometric probes of space-time evolution in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2009 , 103, 142301	7.4	28
491	Direct photon production in p+p collisions at $\sqrt{s}=200$ GeV at midrapidity. <i>Physical Review D</i> , 2012 , 86,	4.9	28

490	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	28
489	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , 2019 , 79, 368	4.2	27
488	Predictions for cold nuclear matter effects in p+Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Nuclear Physics A</i> , 2018 , 972, 18-85	1.3	27
487	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
486	Evidence for exclusive $\Upsilon \rightarrow W + W$ 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
485	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
484	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
483	Measurement of single muons at forward rapidity in p+p collisions at $\sqrt{s}=200$ GeV and implications for charm production. <i>Physical Review D</i> , 2007 , 76,	4.9	27
482	Azimuthal angle correlations for rapidity separated Hadron pairs in d+Au collisions at square root of $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2006 , 96, 222301	7.4	27
481	Measurement of prompt and nonprompt [Formula: see text] production in [Formula: see text] and [Formula: see text] collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 269	4.2	26
480	Sensitivity of the LHC isolated- Υ jet data to the parton distribution functions of the proton. <i>Europhysics Letters</i> , 2013 , 101, 61002	1.6	26
479	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	26
478	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
477	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
476	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at ($\sqrt{s} = 7, \text{TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	26
475	Measurement of transverse single-spin asymmetries for J/ψ production in polarized p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2010 , 82,	4.9	26
474	Nuclear-modification factor for open-heavy-flavor production at forward rapidity in Cu+Cu collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2012 , 86,	2.7	26
473	Perspectives on heavy-quarkonium production at the LHC. <i>AIP Conference Proceedings</i> , 2008 ,	0	26

472	Measurement of density correlations in pseudorapidity via charged particle multiplicity fluctuations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2007 , 76,	2.7	26
471	Measurement of the W-boson helicity in top-quark decays from $(\overline{\text{t}}\text{t})$ 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
470	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
469	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
468	Search for resonant $(\overline{\text{t}}\text{t})$ 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
467	High pT direct photon and $\overline{0}$ triggered azimuthal jet correlations and measurement of kT for isolated direct photons in p+p collisions at $s=200$ GeV. <i>Physical Review D</i> , 2010 , 82,	4.9	25
466	High $(p_{\text{rm T}})$ leading hadron suppression in nuclear collisions at $(\sqrt{s_{NN}})\approx 20\text{-}200$ GeV: data versus parton energy loss models. <i>European Physical Journal C</i> , 2005 , 43, 295-302	4.2	25
465	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
464	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
463	Search for charged Higgs bosons in the $H\overline{B} \rightarrow \overline{B}B$ decay channel in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	24
462	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $[\text{Formula: see text}]$. <i>European Physical Journal C</i> , 2015 , 75, 325	4.2	24
461	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
460	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $[\text{Formula: see text}]$. <i>European Physical Journal C</i> , 2016 , 76, 372	4.2	24
459	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $[\text{Formula: see text}]$. <i>European Physical Journal C</i> , 2013 , 73, 2674	4.2	24
458	Alignment of the CMS tracker with LHC and cosmic ray data. <i>Journal of Instrumentation</i> , 2014 , 9, P06009-P06009	4.2	24
457	Measurement of the $Z/\overline{0} + \text{b-jet}$ cross section in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
456	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
455	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\overline{0}2$ channel in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24

454	Production of Υ mesons at large transverse momenta in p+p and d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2007 , 75,	2.7	24
453	Improved measurement of double helicity asymmetry in inclusive midrapidity Υ production for polarized p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2006 , 73,	4.9	24
452	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
451	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
450	Search for $W^\pm \rightarrow b$ 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
449	Study of Higgs boson production and its $bb\bar{b}$ decay in Υ processes in proton-nucleus collisions at the LHC. <i>Physical Review D</i> , 2010 , 81,	4.9	23
448	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
447	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying Υ leptons at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	23
446	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
445	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
444	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
443	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
442	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
441	Measurement of the WZ production cross section in pp collisions at [Formula: see text] and 8[Formula: see text] and search for anomalous triple gauge couplings at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 236	4.2	21
440	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
439	Measurement of $(1S+2S+3S)$ production in p+p and Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2015 , 91,	2.7	21
438	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
437	Correlations between jets and charged particles in PbPb and pp collisions at $(\sqrt{s_{\mathrm{NN}}}=2.76)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21

436	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
435	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
434	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
433	Measurement of the ($\mathrm{t}\bar{\mathrm{t}}$) production cross section in the $\mu\mu$ jets channel in pp collisions at ($\sqrt{s}=7$ mbox{TeV}). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	21
432	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2017 , 119, 111802	7.4	21
431	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 578	4.2	21
430	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	21
429	Search for a Higgs boson in the decay channel $H \rightarrow ZZ(*) \rightarrow q(\overline{q}) \mu\mu$ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	21
428	Inclusive b-hadron production cross section with muons in pp collisions at ($\sqrt{s}=7$; {TeV}). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	21
427	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
426	6.4 Jet quenching. <i>Landolt-Börnstein - Group I Elementary Particles, Nuclei and Atoms</i> , 2010 , 471-520		21
425	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
424	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
423	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	20
422	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
421	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
420	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
419	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

418	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
417	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
416	Inclusive cross section and single transverse spin asymmetry for very forward neutron production in polarized p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2013 , 88,	4.9	20
415	Centrality dependence of charged hadron production in deuteron+gold and nucleon+gold collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2008 , 77,	2.7	20
414	Hard spectra and QCD matter: experimental review. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004 , 30, S767-S774	2.9	20
413	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
412	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
411	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
410	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
409	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
408	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
407	Search for resonant and nonresonant Higgs boson pair production in the ($\overline{b}b\ell\ell$) final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
406	Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 237	4.2	19
405	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 277	4.2	19
404	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
403	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
402	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
401	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

400	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
399	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
398	Search for lepton flavour violating decays of the Higgs boson to $\mu\mu$ and $e\mu$ in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
397	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
396	Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 746, 64-72	4.2	18
395	Study of Z production in PbPb and pp collisions at $(\sqrt{s_{\mathrm{NN}}}=2.76)$ TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
394	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
393	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two 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
392	. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
391	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
390	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying leptons and two jets in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
389	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
388	$(1S+2S+3S)$ production in d+Au and p+p collisions at $\sqrt{s_{NN}}=200$ GeV and cold-nuclear-matter effects. <i>Physical Review C</i> , 2013 , 87,	2.7	18
387	Single-inclusive production of large-p T charged particles in hadronic collisions at TeV energies and perturbative QCD predictions. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	18
386	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
385	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
384	Search for $(\overline{\mathrm{t}}\mathrm{t})\mathrm{H}$ production in the $\mathrm{H}\rightarrow\overline{\mathrm{b}}\mathrm{b}$ decay channel with leptonic $(\overline{\mathrm{t}}\mathrm{t})$ decays in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
383	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2018 , 78, 291	4.2	17

382	Measurement of the inclusive jet cross section in pp collisions at ($\sqrt{s} = 2.76$,text {TeV}). <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	17
381	Search for ($\overline{\mathbf{t}}\mathbf{t}$) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	17
380	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
379	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
378	Measurement of K_S^0 and K^*0 in p+p,d+Au, and Cu + Cu collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2014 , 90,	2.7	17
377	Search for stopped long-lived particles produced in pp collisions at ($\sqrt{s} = \{ \text{7TeV} \}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
376	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at ($\sqrt{s} = 7$ mathrm{TeV}). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	17
375	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
374	Event structure and double helicity asymmetry in jet production from polarized p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2011 , 84,	4.9	17
373	Relevance of baseline hard proton-proton spectra for high-energy nucleus-nucleus physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005 , 31, S491-S512	2.9	17
372	Measurement of double-differential cross sections for top quark pair production in pp collisions at [Formula: see text][Formula: see text] and impact on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 459	4.2	16
371	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
370	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
369	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\ell\ell$ leptons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
368	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
367	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
366	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
365	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. <i>Journal of Instrumentation</i> , 2010 , 5, T03021-T03021	1	16

364	Performance studies of a full-length prototype for the CASTOR forward calorimeter at the CMS experiment. <i>European Physical Journal C</i> , 2010 , 67, 601-615	4.2	16
363	Status of Zero Degree Calorimeter for CMS Experiment. <i>AIP Conference Proceedings</i> , 2006 ,	0	16
362	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	16
361	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
360	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
359	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
358	Measurements of ($\overline{\sigma}$) differential cross sections in proton-proton collisions at (\sqrt{s} =13) TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
357	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
356	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
355	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
354	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
353	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
352	Search for supersymmetry in pp collisions at [Formula: see text] TeV in events with a single lepton, jets, and missing transverse momentum. <i>European Physical Journal C</i> , 2013 , 73, 2404	4.2	15
351	Triple Parton Scatterings in High-Energy Proton-Proton Collisions. <i>Physical Review Letters</i> , 2017 , 118, 122001	7.4	15
350	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	15
349	Heavy-ion physics studies for the Future Circular Collider. <i>Nuclear Physics A</i> , 2014 , 931, 1163-1168	1.3	15
348	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
347	Commissioning of the CMS experiment and the cosmic run at four tesla. <i>Journal of Instrumentation</i> , 2010 , 5, T03001-T03001	1	15

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345	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV Using Isolated Photon-Tagged Jets. <i>Physical Review Letters</i> , 2018 , 121, 242301	7.4	15
344	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
343	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
342	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
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340	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	14
339	Measurement of the (Λ_{b}^0) lifetime in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
338	Measurement of the ($\overline{\mathrm{t}}\mathrm{t}$) production cross section in the all-jet final state in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
337	Measurement of the ($\overline{\mathrm{t}}\mathrm{t}$) production cross section using events with one lepton and at least one jet in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	14
336	Systematic study of azimuthal anisotropy in Cu + Cu and Au + Au collisions at $\sqrt{s_{NN}}=62.4$ and 200 GeV. <i>Physical Review C</i> , 2015 , 92,	2.7	14
335	Heavy-flavor electron-muon correlations in p+p and d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2014 , 89,	2.7	14
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333	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
332	Evidence for Higgs boson decay to a pair of muons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	14
331	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	14
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329	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14

328	Search for supersymmetry in events with a dilepton pair and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	14
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326	Search for resonant ($\overline{\mathrm{t}}\mathrm{t}$) production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	13
325	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ and $B \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ and ($\mathrm{mathcal{B}}\left(\mathrm{B}\right)_{\mathrm{c}}^{\mathrm{pm}}\rightarrow\mathrm{J}/\psi\left(\pi\right)^{\mathrm{pm}}\left(\pi\right)^{\mathrm{pm}}\left(\pi\right)^{\mathrm{pm}}\right)/\mathrm{mathcal{B}}\left(\mathrm{B}\right)_{\mathrm{c}}^{\mathrm{pm}}\rightarrow\mathrm{J}/\psi\left(\pi\right)^{\mathrm{pm}}\left(\pi\right)^{\mathrm{pm}}\right)$ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	13
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194	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
193	Measurement of the Z ℓ 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
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188	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
187	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
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54	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
53	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
52	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , 2020 , 80, 718	4.2	2
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50	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
49	Nuclear collisions at the Future Circular Collider. <i>Nuclear Physics A</i> , 2016 , 956, 854-857	1.3	2
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44	Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , 2019 , 122, 151802	7.4	1
43	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. <i>Physical Review Letters</i> , 2020 , 125, 222001	7.4	1
42	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
41	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

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37	Hard photon and neutral pion production in cold nuclear matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 519, 8-14	4.2	1
36	Measuring the electron Yukawa coupling via resonant s-channel Higgs production at FCC-ee. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	1
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32	Measurement of the cross section for $(\mathbf{t} \overline{\mathbf{t}})$ production with additional jets and b jets in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
31	Higgs boson production in photon-photon interactions with proton, light-ion, and heavy-ion beams at current and future colliders. <i>Physical Review D</i> , 2020 , 101,	4.9	1
30	Development and validation of HERWIG7 tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
29	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
28	Search for the lepton flavor violating decay $\mathbf{B} \rightarrow \mathbf{B}^0 \ell^+ \ell^-$ in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
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23	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

22	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	○
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20	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	○
19	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	○
18	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	○
17	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	○
16	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	○
15	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	○
14	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	○
13	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	○
12	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	
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1	Measurement of the inclusive $\sigma(\text{t}\overline{\text{t}})$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4