

Anna Colaleo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2735514/anna-colaleo-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

701
papers

18,721
citations

61
h-index

102
g-index

730^o
ext. papers

21,243
ext. citations

4.5
avg, IF

2.11
L-index

#	Paper	IF	Citations
701	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
700	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
699	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
698	Study of high-p T charged particle suppression in PbPb compared to pp collisions at ($\sqrt{s_{\text{NN}}}=2.76\sim\text{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	316
697	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
696	A measurement of the inclusive $b\rightarrow s$ branching ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 429, 169-187	4.2	253
695	Branching ratios and spectral functions of B decays: Final ALEPH measurements and physics implications. <i>Physics Reports</i> , 2005 , 421, 191-284	27.7	252
694	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
693	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
692	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
691	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
690	Suppression of non-prompt J/ψ and (Υ)(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
689	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
688	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
687	Studies of Quantum Chromodynamics with the ALEPH detector. <i>Physics Reports</i> , 1998 , 294, 1-165	27.7	161
686	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ($\sqrt{s_{\text{NN}}}=2.76$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	158
685	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

684	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
683	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
682	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
681	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at ($\sqrt{s} = 0.9, 2.76, \sqrt{7}$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	133
680	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
679	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
678	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
677	Observation of an excess in the search for the Standard Model Higgs boson at ALEPH. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 495, 1-17	4.2	116
676	A search for a doubly-charged Higgs boson in pp collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	111
675	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
674	Measurement of differential top-quark-pair production cross sections in pp collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	102
673	Study of the fragmentation of b quarks into B mesons at the Z peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 512, 30-48	4.2	102
672	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
671	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
670	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010 , 70, 1165-1192	4.2	99
669	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
668	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
667	Measurement of τ polarization from Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 374, 319-330	4.2	96

666	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
665	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
664	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
663	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
662	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
661	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
660	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
659	Search for charginos nearly mass degenerate with the lightest neutralino in $e+e$ collisions at centre-of-mass energies up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 533, 223-236	4-2	76
658	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
657	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
656	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
655	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at ($\sqrt{s_{\text{NN}}}$) = 2.76) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	73
654	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
653	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
652	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
651	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
650	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
649	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

648	Final results of the searches for neutral Higgs bosons in $e+e$ collisions at \sqrt{s} up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 191-205	4.2	68
647	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 5.02) (TeV). <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	67
646	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
645	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{NN};\mathrm{N}}}$) = 5.02) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
644	Measurement of the ($\overline{\mathrm{t}}$) 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
643	Search for scalar leptons in $e+e$ collisions at centre-of-mass energies up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 206-220	4.2	64
642	Measurements of $ V_{cb} $, form factors and branching fractions in the decays and. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 395, 373-387	4.2	63
641	Search for high-mass resonances in dilepton final states in proton-proton collisions at (\sqrt{s}) = 13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	63
640	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
639	Study of double parton scattering using W + 2-jet events in proton-proton collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	61
638	Search for a charged Higgs boson in pp collisions at (\sqrt{s}) = 8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	61
637	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 2.76 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
636	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
635	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
634	Search for charged Higgs bosons in $e+e$ collisions at energies up to \sqrt{s} = 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 543, 1-13	4.2	58
633	Search for anomalous ($\overline{\mathrm{t}}$) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	57
632	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
631	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

630	Long-range and short-range dihadron angular correlations in central PbPb collisions at ($\sqrt{s_{\text{NN}}}$) = 2.76 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	56
629	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
628	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
627	Search for supersymmetric particles in $e+e$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 373, 246-260	4-2	54
626	Search for ($B_{\text{s}}^0 \rightarrow \mu^+ \mu^-$) and $B_0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	52
625	Search for scalar quarks in $e+e$ collisions at \sqrt{s} up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 537, 5-20	4-2	52
624	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
623	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
622	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
621	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
620	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
619	Measurement of the t-channel single-top-quark production cross section and of the $ V_{\text{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
618	Measurement of the ($t\bar{t}$) 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
617	Search for supersymmetric particles in $e+e$ collisions at up to 202 GeV and mass limit for the lightest neutralino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 499, 67-84	4-2	48
616	Measurement of β_{s} from scaling violations in fragmentation functions in $e+e$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 487-499	4-2	48
615	Improved measurement of the triple gauge-boson couplings WW and ZWW in $e+e$ collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 614, 7-26	4-2	47
614	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
613	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

612	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
611	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
610	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
609	Exclusive $\bar{\nu}_\tau \nu_\tau$ production in proton-proton collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	45
608	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
607	Search for exclusive or semi-exclusive $\bar{\nu}_\tau \nu_\tau$ 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
606	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
605	Search for pentaquark states in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 599, 1-16	4-2	45
604	Measurement of the X(3872) production cross section via decays to $J/\psi \eta$ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	44
603	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
602	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
601	Fermion pair production in e+e- collisions at 189009 GeV and constraints on physics beyond the standard model. <i>European Physical Journal C</i> , 2007 , 49, 411-437	4-2	44
600	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
599	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
598	Search for leptonic decays of W [±] bosons in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	43
597	Search for neutral Higgs bosons decaying into four taus at LEP2. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5-4	43
596	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
595	Deuteron and anti-deuteron production in e+e ⁻ collisions at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 192-201	4-2	42

594	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
593	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
592	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
591	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
590	Absolute mass lower limit for the lightest neutralino of the MSSM from $e+e$ data at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 583, 247-263	4-2	41
589	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
588	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
587	A measurement of $ V_{cb} $ from. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 359, 236-248	4-2	40
586	Studies of jet mass in dijet and $W/Z + \text{jet}$ events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
585	Study of the underlying event at forward rapidity in pp collisions at $(\sqrt{s}=0.9, 2.76, 7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
584	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
583	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
582	The simulation of resistive plate chambers in avalanche mode: charge spectra and efficiency. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 431, 413-427	1-2	39
581	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
580	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
579	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
578	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
577	Measurement of the effective b quark fragmentation function at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 699-714	4-2	38

576	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
575	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
574	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
573	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
572	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
571	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
570	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
569	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
568	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
567	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
566	Measurement of the top-quark mass in $(\overline{\text{t}}\text{t})$ 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
565	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
564	Single- and multi-photon production in e^+e^- collisions at a centre-of-mass energy of 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 429, 201-214	4.2	36
563	Measurement of the \bar{B} polarization in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 365, 437-447	4.2	36
562	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
561	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
560	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
559	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

558	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
557	Measurement of the ($\mathit{\tau\bar{\tau}}$) 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
556	Search for single top production in e+e- collisions at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 543, 173-182	4-2	35
555	Quark and gluon jet properties in symmetric three-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 353-364	4-2	35
554	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
553	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
552	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
551	Search for heavy stable charged particles in pp collisions at ($\sqrt{s} = \text{7TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	34
550	Resonant structure and flavour tagging in the B \bar{B} system using fully reconstructed B decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 425, 215-226	4-2	34
549	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
548	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
547	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
546	Search for a light charged Higgs boson decaying to ($\mathit{c\bar{c}}$) in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5-4	33
545	Search for $\mathit{B\bar{B}}$ in e+e- collisions at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 530, 56-66	4-2	33
544	New developments on front-end electronics for the CMS Resistive Plate Chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 456, 143-149	1-2	33
543	Mass limit for the standard model Higgs boson with the full LEP I ALEPH data sample. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 427-438	4-2	33
542	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	32
541	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

540	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
539	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
538	Measurement of the W boson mass and width in e+e- collisions at LEP. <i>European Physical Journal C</i> , 2006 , 47, 309-335	4-2	31
537	Measurement of the ($\overline{\text{t}}\text{t}$) production cross section in the e $\bar{\nu}$ 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
536	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
535	Inclusive b-jet production in pp collisions at ($\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	30
534	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
533	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
532	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	30
531	Search for the glueball candidates f ₀ (1500) and f _J (1710) in $\bar{p}p$ collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 472, 189-199	4-2	30
530	Study of the B _s ⁰ B _s ⁰ oscillation frequency using D _s \bar{D} combinations in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 377, 205-221	4-2	30
529	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
528	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 \cancel{E}_T . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	29
527	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
526	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
525	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
524	A measurement of R _b using a lifetime-mass tag. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 150-162	4-2	29
523	Absolute lower limits on the masses of selectrons and sneutrinos in the MSSM. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 544, 73-88	4-2	29

522	Cosmic ray tests of double-gap resistive plate chambers for the CMS experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 550, 116-126	1.2	29
521	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
520	Search for heavy Majorana neutrinos in $e\bar{e}\mu\mu$ jets and $e\bar{e}\tau\tau$ jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28
519	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
518	Measurement of the W mass in e^+e^- collisions at production threshold. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 347-362	4.2	28
517	Measurement of triple gauge-boson couplings at 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 422, 369-383	4.2	28
516	Strange b baryon production and lifetime in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 449-460	4.2	28
515	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
514	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
513	Evidence for exclusive $\bar{B} \rightarrow W + W \bar{B}$ 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
512	GEM based detector for future upgrade of the CMS forward muon system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 718, 383-386	1.2	27
511	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
510	Measurement of ($\overline{\text{B}}\text{B}$) 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
509	Search for the neutral Higgs bosons of the MSSM in e^+e^- collisions at from 130 to 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 412, 173-188	4.2	27
508	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
507	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
506	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
505	Searches for supersymmetry using the M T2 variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	26

504	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
503	A measurement of Rb using mutually exclusive tags. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 163-175	4-2	26
502	HF production in CMS-Resistive Plate Chambers. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006 , 158, 30-34		26
501	Measurement of the hadronic photon structure function at LEP 1 for $\langle Q^2 \rangle$ values between 9.9 and 284 GeV ² . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 458, 152-166	4-2	26
500	Measurement of the W-boson helicity in top-quark decays from ($\overline{\text{t}}$) 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
499	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
498	Measurements of the [Formula: see text][Formula: see text] production cross sections in the [Formula: see text] channel in proton-proton collisions at [Formula: see text] and [Formula: see text] and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , 2015 , 75, 511	4-2	25
497	Search for resonant ($\overline{\text{t}}$) 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
496	Bose-Einstein correlations in W-pair decays with an event-mixing technique. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 606, 265-275	4-2	25
495	Measurement of the $e^+e^- \rightarrow ZZ$ production cross section at centre-of-mass energies of 183 and 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 469, 287-302	4-2	25
494	Measurement of the Bs0 lifetime and production rate with Ds combinations in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 361, 221-233	4-2	25
493	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
492	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
491	Search for charged Higgs bosons in the $H \rightarrow \tau\tau$ decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	24
490	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
489	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
488	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
487	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

486	Measurement of the $Z/\bar{\nu} + b$ -jet cross section in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	24
485	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
484	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\ell\ell$ channel in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	24
483	Search for sleptons in $e+e$ collisions at centre-of-mass energies up to 184 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 433, 176-194	4-2	24
482	Progresses in the simulation of resistive plate chambers in avalanche mode. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999 , 78, 459-464		24
481	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
480	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
479	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
478	Search for τ decays of a Higgs boson in $e+e$ collisions at \sqrt{s} up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 544, 16-24	4-2	23
477	Limit on B_0 s oscillation using a jet charge method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 356, 409-422	4-2	23
476	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
475	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ leptons at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	23
474	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
473	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
472	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
471	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
470	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
469	A study of the decay width difference in the B_0 s system using τ correlations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 486, 286-299	4-2	22

468	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
467	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
466	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
465	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
464	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
463	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
462	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
461	Measurement of the ($\bar{\mathrm{t}}\mathrm{t}$) production cross section in the $\bar{\mathrm{t}}\mathrm{t}$ jets channel in pp collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	21
460	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
459	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
458	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
457	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
456	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
455	Scalar quark searches in e^+e^- collisions at $s=181\text{--}184$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 189-199	4.2	21
454	Study of long-term performance of CMS RPC under irradiation at the CERN GIF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 533, 102-106	1.2	21
453	Searches for neutral Higgs bosons in e^+e^- collisions at centre-of-mass energies from 192 to 202 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 499, 53-66	4.2	21
452	Searches for sleptons and squarks in e^+e^- collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 469, 303-314	4.2	21
451	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

450	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
449	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
448	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
447	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
446	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
445	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
444	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
443	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
442	A measurement of the gluon splitting rate into pairs in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 437-450	4.2	20
441	Resistive plate chamber neutron and gamma sensitivity measurement with a 252Cf source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 506, 101-109	1.2	20
440	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
439	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
438	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
437	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
436	Search for resonant and nonresonant Higgs boson pair production in the ($\overline{\text{b}}\text{b}\ell\ell$) final state in proton-proton collisions at (\sqrt{s})=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
435	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
434	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 277	4.2	19
433	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

432	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
431	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
430	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
429	Updated measurement of the τ lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 362-372	4.2	19
428	Measurements of the b baryon lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 685-698	4.2	19
427	Search for excited leptons at $130 \leq \sqrt{s} \leq 40$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 385, 445-453	4.2	19
426	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
425	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
424	Search for lepton flavour violating decays of the Higgs boson to $\tau\bar{\tau}$ and $e\bar{e}$ in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
423	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
422	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
421	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
420	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
419	. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
418	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
417	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
416	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
415	Search for the B_c meson in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 402, 213-226	4.2	18

414	Searches for scalar top and scalar bottom quarks at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 431-446	4.2	18
413	Search for supersymmetry in the photon(s) plus missing energy channels at GeV and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 420, 127-139	4.2	18
412	Leptonic decays of the Ds meson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 528, 1-18	4.2	18
411	Search for charged Higgs bosons in e+e- collisions at energies up to $\sqrt{s} = 189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 487, 253-263	4.2	18
410	Measurement of hadron and lepton-pair production from e+e- annihilation at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 378, 373-384	4.2	18
409	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
408	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
407	Search for $(\overline{\text{t}}\text{H})$ production in the $(\text{H})\text{to } \overline{\text{b}}\text{b})$ decay channel with leptonic $(\overline{\text{t}}\text{t})$ decays in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
406	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
405	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
404	Search for $(\overline{\text{t}}\text{t})$ 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
403	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
402	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
401	Search for stopped long-lived particles produced in pp collisions at $(\sqrt{s} = \{7\text{TeV}\})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
400	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
399	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
398	Effect of the linseed oil surface treatment on the performance of resistive plate chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 394, 13-20	1.2	17
397	Properties of C2H2F4-based gas mixture for avalanche mode operation of resistive plate chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 398, 173-179	1.2	17

396	Aging study for resistive plate chambers of the CMS muon trigger detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 515, 342-347	1.2	17
395	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
394	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
393	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
392	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into τ leptons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
391	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
390	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
389	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
388	Beam test results on double-gap resistive plate chambers proposed for CMS experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 414, 135-148	1.2	16
387	A study of single and multi-photon production in $e+e$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 333-342	4.2	16
386	Charm counting in b decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 388, 648-658	4.2	16
385	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
384	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
383	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
382	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
381	Measurements of ($\overline{\sigma}(\mathbf{t})$) differential cross sections in proton-proton collisions at ($\sqrt{s}=13$) TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
380	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
379	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

378	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
377	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
376	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
375	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
374	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
373	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
372	Measurement of the W mass by direct reconstruction in e+e collisions at 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 422, 384-398	4-2	15
371	Study of D \bar{D} 0 mixing and D0 doubly Cabibbo-suppressed decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 436, 211-221	4-2	15
370	Exclusive production of pion and kaon meson pairs in two photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 569, 140-150	4-2	15
369	FermiDirac correlations in [pairs in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 475, 395-406	4-2	15
368	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
367	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
366	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
365	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
364	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
363	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
362	Measurement of the ($\overline{\text{t}}\text{t}$) production cross section in the all-jet final state in pp collisions at (\sqrt{s} =7) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	14
361	Measurement of the ($\overline{\text{t}}\text{t}$) 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

360	The CMS RPC gas gain monitoring system: An overview and preliminary results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 602, 805-808	1.2	14
359	Search for the Standard Model Higgs boson in e+e collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 412, 155-172	4.2	14
358	Simulation of Resistive Plate Chamber sensitivity to neutrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 461, 57-59	1.2	14
357	Measurement of W-pair production in e+e collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 484, 205-217	4.2	14
356	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
355	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
354	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two leptons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
353	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
352	Search for supersymmetry in events with a lepton pair and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
351	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
350	Search for resonant ($\overline{\text{t}}\text{t}$) production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13
349	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow c \rightarrow J/\psi B$ and $B \rightarrow J/\psi B$ and $(\mathcal{B}(\text{B} \rightarrow \text{J}/\psi \text{B}) / \mathcal{B}(\text{B} \rightarrow \text{J}/\psi \text{B}))_{\text{CP}}$ in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13
348	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
347	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 325	4.2	13
346	Measurement of exclusive photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 702	4.2	13
345	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019 , 79, 313	4.2	13
344	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2901	4.2	13
343	Search for a fermiophobic Higgs boson in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13

342	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13
341	Measurement of the mass difference between top and antitop quarks. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13
340	Recent results and developments on double-gap RPCs for CMS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 409, 43-45	1.2	13
339	Searches for the neutral Higgs bosons of the MSSM in e^+e^- collisions at centre-of-mass energies of 181–184 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 440, 419-434	4.2	13
338	RPC sensitivity simulation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 456, 99-102	1.2	13
337	Bose-Einstein correlations in W-pair decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 478, 50-64	4.2	13
336	Search for a scalar top almost degenerate with the lightest neutralino in e^+e^- collisions at \sqrt{s} up to 202 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 488, 234-246	4.2	13
335	A study of single W production in e^+e^- collisions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 462, 389-400	4.2	13
334	Observation of charmless hadronic B decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 471-480	4.2	13
333	Measurement of ($\bar{t}t$) normalised multi-differential cross sections in (pp) collisions at ($\sqrt{s}=13$, {text {TeV}}), and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13
332	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
331	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at ($\sqrt{s_{\mathrm{N};\mathrm{N}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
330	Search for ($\overline{t}t$) production in the all-jet final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
329	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
328	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 280	4.2	12
327	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
326	Measurement of normalized differential ($\overline{t}t$) cross sections in the dilepton channel from pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
325	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	12

324	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
323	Search for quark compositeness in dijet angular distributions from pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	12
322	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at ($\sqrt{s}=7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	12
321	Search for light resonances decaying into pairs of muons as a signal of new physics. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	12
320	A flavour-independent Higgs boson search in $e+e$ collisions at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 544, 25-34	4.2	12
319	Measurement of W-pair production in $e+e$ collisions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 453, 107-120	4.2	12
318	Improved measurement of the B^0 and B^+ meson lifetimes. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 71, 31-44		12
317	Measurement of the mass of the Λ_b baryon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 380, 442-452	4.2	12
316	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
315	Studies of B mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 939	4.2	12
314	Electroweak production of two jets in association with a Z boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	12
313	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
312	Search for new physics in the monophoton final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
311	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
310	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 287	4.2	11
309	Phenomenological MSSM interpretation of CMS searches in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
308	Measurement of jet multiplicity distributions in $[Formula: see text]$ production in pp collisions at $[Formula: see text]$. <i>European Physical Journal C</i> , 2014 , 74, 3014	4.2	11
307	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

306	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
305	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
304	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
303	Measurement of the underlying event activity in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV with the novel jet-area/median approach. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	11
302	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	11
301	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel in pp collisions at ($\sqrt{s} = 7$; {TeV}). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	11
300	Determination of AFB _b using jet charge measurements in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 426, 217-230	4-2	11
299	Three-prong τ decays with charged kaons. <i>European Physical Journal C</i> , 1998 , 1, 65-79	4-2	11
298	Production of D _s ** mesons in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 34-49	4-2	11
297	Measurement of the W mass in e ⁺ e ⁻ collisions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 453, 121-137	4-2	11
296	Search for heavy lepton pair production in e ⁺ e ⁻ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 439-448	4-2	11
295	Measurements of differential Z boson production cross sections in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	11
294	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
293	Charged-particle nuclear modification factors in XeXe collisions at ($\sqrt{s_{\text{NN}}} = 5.44$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	11
292	Search for Z resonances using leptonic and hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	11
291	Search for the decay of a Higgs boson in the τ channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	11
290	Search for beyond the standard model Higgs bosons decaying into a ($\overline{\text{b}}\text{b}$) pair in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	11
289	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

288	Search for new neutral Higgs bosons through the $(\text{H}) \rightarrow \text{ZA} \rightarrow \{\ell\}^+ \{\ell\}^- \overline{\text{b}} \text{b}$ process in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
287	A multi-dimensional search for new heavy resonances decaying to boosted τ , μ , or boson pairs in the dijet final state at $13 \leq \sqrt{s} < 14$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
286	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $(\sqrt{s}=8)$ TeV using $\text{H} \rightarrow \text{WW}$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
285	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
284	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
283	Search for physics beyond the standard model in events with leptons, jets, and large transverse momentum imbalance in pp collisions at $13 < \sqrt{s} < 14$ TeV. <i>European Physical Journal C</i> , 2013 , 73, 2493	4.2	10
282	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
281	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
280	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
279	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
278	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
277	Sensitivity and environmental response of the CMS RPC Gas Gain Monitoring system. <i>Journal of Instrumentation</i> , 2009 , 4, P08006-P08006	1	10
276	Measurement of the branching fraction for $\text{D}^0 \rightarrow \text{K}^* \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 403, 367-376	4.2	10
275	Results about HF production and bakelite analysis for the CMS Resistive Plate Chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 594, 140-147	1.2	10
274	Two-particle correlations in pp, $\sqrt{s} = 1.8, 2.76, 7.45, 13.0$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 611, 66-80	4.2	10
273	A precise measurement of the average b hadron lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 369, 151-162	4.2	10
272	Measurement of properties of $(\text{B})_{\text{c}} \rightarrow \mu^+ \mu^-$ decays and search for $\text{B}^0 \rightarrow \mu^+ \mu^-$ with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
271	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

270	Layout and assembly technique of the GEM chambers for the upgrade of the CMS first muon endcap station. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 918, 67-75	1.2	10
269	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
268	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
267	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
266	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
265	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
264	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
263	Measurement of b hadron lifetimes in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 457	4.2	9
262	Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
261	Upgrade of the CMS muon system with triple-GEM detectors. <i>Journal of Instrumentation</i> , 2014 , 9, C10036-C10036		
260	Search for associated production of dark matter with a Higgs boson decaying to ($\overline{\text{b}}\text{b}$) or $\overline{\text{t}}\text{t}$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
259	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
258	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
257	CMS Resistive Plate Chamber overview, from the present system to the upgrade phase I. <i>Journal of Instrumentation</i> , 2013 , 8, P04005-P04005	1	9
256	Study of muon-pair production at centre-of-mass energies from 20 to 136 GeV with the ALEPH detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 399, 329-341	4.2	9
255	Search for sleptons in e^+e^- collisions at centre-of-mass energies of 161 GeV and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 377-388	4.2	9
254	Resistive Plate Chambers in avalanche mode: a comparison between model predictions and experimental results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 409, 1-5	1.2	9
253	Inclusive production of the η and η' mesons in Z decays, and the muonic branching ratio of the η . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 528, 19-33	4.2	9

252	A measurement of the gluon splitting rate into $c\bar{c}$ pairs in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 561, 213-224	4.2	9
251	Search for the standard model Higgs boson at the LEP2 Collider near $s=183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 447, 336-351	4.2	9
250	Search for an invisibly decaying Higgs boson in e^+e^- collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 466, 50-60	4.2	9
249	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
248	Search for a light pseudoscalar Higgs boson in the boosted τ final state in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
247	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $[Formula: see text]$ pair in proton-proton collisions at $[Formula: see text]$. <i>European Physical Journal C</i> , 2016 , 76, 317	4.2	9
246	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
245	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
244	Search for a singly produced third-generation scalar leptoquark decaying to a τ 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
243	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
242	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
241	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
240	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
239	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $(\sqrt{s_{\mathit{NN}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
238	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
237	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
236	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
235	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

234	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
233	Measurement of the transverse spin correlations in the decay $Z \rightarrow \mu\mu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 405, 191-201	4.2	8
232	The forward-backward asymmetry for charm quarks at the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 415-425	4.2	8
231	The gas monitoring system for the Resistive Plate Chamber detector of the CMS experiment at LHC. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2008 , 177-178, 293-296		8
230	Search for $\mu\mu$ decays of a Higgs boson produced in association with a fermion pair in $e+e$ collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 487, 241-252	4.2	8
229	A direct measurement of $ V_{cs} $ in hadronic W decays using a charm tag. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 465, 349-362	4.2	8
228	Measurement of the b forward-backward asymmetry and mixing using high- p_T leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 414-426	4.2	8
227	Search for CP violation in the decay $Z \rightarrow b\bar{b}g$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 365-376	4.2	8
226	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
225	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
224	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
223	Search for electroweak production of charginos in final states with two μ leptons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
222	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
221	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
220	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
219	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
218	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
217	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $(\sqrt{\text{math}\{s\}}) = 13$ TeV and constraints on anomalous quartic couplings. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7

216	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	7
215	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
214	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
213	Jet properties in PbPb and pp collisions at $(\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
212	Measurement of the semileptonic $(\overline{\mathrm{t}} + \mathrm{t})$ production cross section in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
211	Searches for $W^?$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
210	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
209	Measurement of the $Z\bar{\nu}\nu$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	7
208	Uniformity and stability of the CMS RPC detector at the LHC. <i>Journal of Instrumentation</i> , 2013 , 8, P03017-P03017		
207	Measurement of the W-pair cross section in e^+e^- collisions at 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 415, 435-444	4-2	7
206	Performance of a Resistive Plate Chamber operated in avalanche mode under ^{137}Cs irradiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 392, 155-160	1-2	7
205	Search for charged Higgs bosons in e^+e^- collisions at centre-of-mass energies from 130 to 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 418, 419-429	4-2	7
204	Production and quality control of the Barrel RPC chambers of the CMS experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006 , 150, 290-294		7
203	Test of colour reconnection models using three-jet events in hadronic Z decays. <i>European Physical Journal C</i> , 2006 , 48, 685	4-2	7
202	Experimental results on RPC neutron sensitivity. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 508, 79-82	1-2	7
201	The RPC system for the CMS experiment at the LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 508, 137-141 ¹⁻²		7
200	Search for single top production in e^+e^- collisions at $\sqrt{s}=182$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 494, 33-45	4-2	7
199	Search for charged Higgs bosons in e^+e^- collisions at $s = 181\sqrt{84}$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 450, 467-478	4-2	7

198	Local and global performance of double-gap resistive plate chambers operated in avalanche mode. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 434, 244-253	1.2	7
197	Search for charginos and neutralinos with R-parity violation at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 461-470	4.2	7
196	Production of excited beauty states in Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 393-404		7
195	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
194	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
193	Design of a constant fraction discriminator for the VFAT3 front-end ASIC of the CMS GEM detector. <i>Journal of Instrumentation</i> , 2016 , 11, C01023-C01023	1	7
192	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
191	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
190	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
189	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $Z\ell q$ final states at (\sqrt{s})=13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
188	Search for dark matter produced in association with a Higgs boson decaying to $\ell\bar{\nu}\nu\ell$ at (\sqrt{s})=13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
187	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
186	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
185	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
184	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
183	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
182	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4.2	6
181	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\ell\bar{\nu}\nu\ell$ in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6

180	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 536	4.2	6
179	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 ($\sqrt{s} = 13$ TeV). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
178	A study of gas contaminants and interaction with materials in RPC closed loop systems. <i>Journal of Instrumentation</i> , 2013 , 8, T03008-T03008	1	6
177	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	6
176	The upgrade of the CMS RPC system during the first LHC long shutdown. <i>Journal of Instrumentation</i> , 2013 , 8, T02002-T02002	1	6
175	First measurements of the performance of the Barrel RPC system in CMS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 609, 114-121	1.2	6
174	Operational Experience of the Gas Gain Monitoring system of the CMS RPC muon detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 617, 146-147	1.2	6
173	Search for the standard model Higgs boson at the LEP2 collider near $s = 183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 440, 403-418	4.2	6
172	Measurement of triple gauge WW couplings at LEP2 using photonic events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 445, 239-248	4.2	6
171	Performance of the first RPC station prototype for the CMS barrel detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 456, 103-108	1.2	6
170	Measurement of the B meson lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 492, 275-287	4.2	6
169	Search for the associated production of the Higgs boson with a top-quark pair 2014 , 2014, 1		6
168	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
167	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
166	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
165	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
164	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
163	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

162	Search for a heavy resonance decaying into a Z boson and a vector boson in the $(\nu \overline{\nu})$ final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
161	R&D on a new type of micropattern gaseous detector: The Fast Timing Micropattern detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 845, 313-317	1.2	5
160	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
159	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
158	The status of the GEM project for CMS high-. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 732, 203-207	1.2	5
157	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
156	Radiation background with the CMS RPCs at the LHC. <i>Journal of Instrumentation</i> , 2015 , 10, C05031-C05031		5
155	Comparison of the $Z/\gamma^* + \text{jets}$ to $\gamma^* \text{jets}$ cross sections in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5
154	Status of the Triple-GEM project for the upgrade of the CMS Muon System. <i>Journal of Instrumentation</i> , 2013 , 8, C12031-C12031	1	5
153	2011 ,		5
152	First results on RB2 muon barrel RPC detector for CMS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 508, 142-146 ^{1.2}		5
151	Neutron irradiation of RPCs for the CMS experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 508, 120-123 ^{1.2}		5
150	The bakelite for the RPCs of the experiment CMS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 456, 132-136 ^{1.2}		5
149	Determination of the LEP centre-of-mass energy from $Z \rightarrow e^+e^-$ events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 464, 339-349	4.2	5
148	Search for invisible Higgs boson decays in e^+e^- collisions at centre-of-mass energies up to 184 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 450, 301-312	4.2	5
147	Determination of $\sin^2 \theta_{\text{eff}}^e$ using jet charge measurements in hadronic Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 71, 357-378		5
146	First measurement of the quark-to-photon fragmentation function. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 365-377		5
145	Measurement of energy flow at large pseudorapidities in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV 2011 , 2011, 1		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 $b(\overline{\text{b}})q(\overline{\text{q}})$ final state in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
139	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
138	Measurement of the groomed jet mass in PbPb and pp collisions at ($\sqrt{s_{\text{NN}}}$)=5.02 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
137	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
136	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
135	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
134	Search for the pair production of light top squarks in the $e\chi$ final state in proton-proton collisions at (\sqrt{s})=13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
133	Search for nonresonant Higgs boson pair production in the $(b\overline{b})\overline{b}b$ final state at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
132	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
131	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
130	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
129	Evidence for $(W)W$ production from double-parton interactions in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
128	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
127	Pseudorapidity distributions of charged hadrons in proton-lead collisions at ($\sqrt{s_{\text{NN}}}$)=5.02 TeV and 8.16 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4

126	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
125	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
124	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
123	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
122	Search for CP violation in (\overline{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
121	Performance of the Gas Gain Monitoring system of the CMS RPC muon detector and effective working point fine tuning. <i>Journal of Instrumentation</i> , 2012 , 7, P12004-P12004	1	4
120	Four-jet final state production in $e+e$ collisions at centre-of-mass energies ranging from 130 to 184 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 420, 196-204	4-2	4
119	Search for Higgs bosons decaying to WW in $e+e-$ collisions at LEP. <i>European Physical Journal C</i> , 2007 , 49, 439	4-2	4
118	Assembly and Quality Certification for the First Station of CMS Endcap RPCs (RE1). <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006 , 158, 103-107		4
117	The cosmic rays quality test procedure for the CMS barrel resistive plate chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 533, 208-213	1-2	4
116	Measurements of the charged particle multiplicity distribution in restricted rapidity intervals. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 15-25		4
115	Measurement of differential cross sections and charge ratios for τ -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4-2	4
114	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
113	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
112	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
111	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
110	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 μ leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	3
109	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

108	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
107	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
106	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
105	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
104	A study of film and foil materials for the GEM detector proposed for the CMS muon system upgrade. <i>Journal of Instrumentation</i> , 2014 , 9, C04022-C04022	1	3
103	Development of the data acquisition system for the Triple-GEM detectors for the upgrade of the CMS forward muon spectrometer. <i>Journal of Instrumentation</i> , 2014 , 9, C03052-C03052	1	3
102	2014 ,		3
101	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
100	Quality control and beam test of GEM detectors for future upgrades of the CMS muon high rate region at the LHC. <i>Journal of Instrumentation</i> , 2015 , 10, C03039-C03039	1	3
99	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
98	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
97	Development and performance of large scale triple GEM for CMS. <i>Journal of Instrumentation</i> , 2013 , 8, C11017-C11017	1	3
96	2012 ,		3
95	CMS endcap RPC gas gap production for upgrade. <i>Journal of Instrumentation</i> , 2012 , 7, P11013-P11013	1	3
94	Tests of multigap RPCs for high- η triggers in CMS. <i>Journal of Instrumentation</i> , 2012 , 7, P10009-P10009	1	3
93	Production and the quality control for the CMS endcap RPCs. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006 , 158, 16-20		3
92	Cosmic Ray Test Certification of the First 100 CMS Endcap RPCs and the Corresponding Construction Database. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006 , 158, 99-102		3
91	Constraints on anomalous QGCs in $e+e$ interactions from 183 to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 602, 31-40	4-2	3

90	Long-term performance of double gap resistive plate chambers under gamma irradiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 477, 293-298	1.2	3
89	Neutron-induced Single Event Upset on the RPC front-end chips for the CMS experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 484, 494-502	1.2	3
88	Single vector boson production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 605, 49-62	4.2	3
87	Diagnostic tools for the RPC muon trigger of the CMS detector-design and test beam results. <i>IEEE Transactions on Nuclear Science</i> , 2005 , 52, 3216-3222	1.7	3
86	Results from a complete simulation study of the RPC based muon trigger system for the CMS experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 461, 483-485	1.2	3
85	Four-fermion production in $e+e^-$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 388, 419-430	4.2	3
84	Measurements of the $(\text{pp}) \rightarrow \text{ZZ}$ 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
83	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
82	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8 \text{ TeV}$ 2014 , 2014, 1		3
81	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
80	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $(\sqrt{\text{mathrm{s}}}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	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 e final 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	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
75	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
74	Determination of the strong coupling constant $\mu_S(m_Z)$ from measurements of inclusive W and Z boson production cross sections in proton-proton collisions at $(\sqrt{\text{mathrm{s}}}) = 7$ and 8 TeV . <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
73	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

72	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
71	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
70	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
69	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
68	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
67	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
66	Studies on the upgrade of the muon system in the forward region of the CMS experiment at LHC with GEMs. <i>Journal of Instrumentation</i> , 2014 , 9, C01053-C01053	1	2
65	CMS RPC muon detector performance with 2010-2012 LHC data. <i>Journal of Instrumentation</i> , 2014 , 9, C12016-C12016	1	2
64	Measurements of the $pp \rightarrow Wb$ and $pp \rightarrow Zt$ 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
63	Overview of large area triple-GEM detectors for the CMS forward muon upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 845, 298-303	1.2	2
62	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
61	The compact muon solenoid RPC barrel detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 602, 674-678 ^{1.2}	1.2	2
60	Resistive plate chamber commissioning and performance in CMS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 602, 696-699	1.2	2
59	A configurable tracking algorithm to detect cosmic muon tracks for the CMS-RPC based technical trigger. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 602, 792-795	1.2	2
58	Resistive Plate Chambers performance with Cosmic Rays in the CMS experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 617, 180-182	1.2	2
57	Quality control tests for the CMS Barrel RPCs. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006 , 158, 73-77		2
56	The resistive plate chambers for CMS and their simulation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 471, 55-59	1.2	2
55	Diamond-Like Carbon for the Fast Timing MPGD. <i>Journal of Physics: Conference Series</i> , 2020 , 1498, 012015 ³	1.3	2

54	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
53	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
52	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
51	Performance of prototype GE1 μ chambers for the CMS muon spectrometer upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 972, 164104	1.2	2
50	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
49	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , 2020 , 80, 718	4.2	2
48	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
47	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
46	. <i>IEEE Transactions on Nuclear Science</i> , 2018 , 65, 2808-2816	1.7	2
45	A novel application of Fiber Bragg Grating (FBG) sensors in MPGD. <i>EPJ Web of Conferences</i> , 2018 , 174, 03002	0.3	2
44	Search for supersymmetry in events with a photon, jets, \bar{j} jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
43	Two years test of a temperature sensing system based on fibre Bragg grating technology for the CMS GE1/1 detectors. <i>Journal of Physics: Conference Series</i> , 2020 , 1561, 012006	0.3	1
42	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
41	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
40	2015 ,		1
39	CMS RPC tracker muon reconstruction. <i>Journal of Instrumentation</i> , 2014 , 9, C10027-C10027	1	1
38	2011 ,		1
37	An overview of the design, construction and performance of large area triple-GEM prototypes for future upgrades of the CMS forward muon system. <i>Journal of Instrumentation</i> , 2012 , 7, C05008-C05008 ¹	1	1

36	RECENT EXPERIMENTAL RESULTS AND DEVELOPMENTS ON THE RESISTIVE PLATE CHAMBERS FOR THE CMS EXPERIMENT. <i>International Journal of Modern Physics A</i> , 2001 , 16, 1135-1138	1.2	1
35	Performance of resistive plate chambers for the muon detection at CMS. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999 , 78, 90-95		1
34	Inclusive production of neutral vector mesons in hadronic Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 379-392		1
33	Measurement of $D + s$ meson production in Z decays and of the B^0 lifetime. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 585-595		1
32	Study of the $(\mathbf{B}^+ \rightarrow \mathbf{J}/\psi \overline{\Lambda} \mathbf{p})$ decay in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
31	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
30	Development and validation of HERWIG tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
29	Fiber Bragg Grating (FBG) sensors as flatness and mechanical stretching sensors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 824, 493-495	1.2	1
28	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
27	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
26	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
25	The Triple GEM Detector Control System for CMS forward muon spectrometer upgrade. <i>Journal of Instrumentation</i> , 2017 , 12, P02003-P02003	1	0
24	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
23	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
22	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
21	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
20	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
19	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

18	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	○
17	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	○
16	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	○
15	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	○
14	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	○
13	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	○
12	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	○
11	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	
10	Status report of the upgrade of the CMS muon system with Triple-GEM detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 824, 521-525	1.2	
9	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	
8	Web-based monitoring tools for Resistive Plate Chambers in the CMS experiment at CERN. <i>Journal of Instrumentation</i> , 2014 , 9, C10031-C10031	1	
7	CMS RPC commissioning of the existing detector during the long shutdown. <i>Journal of Instrumentation</i> , 2014 , 9, C10043-C10043	1	
6	Simulation of the CMS Resistive Plate Chambers. <i>Journal of Instrumentation</i> , 2013 , 8, P03001-P03001	1	
5	Analysis of transverse momentum correlations in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 447, 183-198	4.2	
4	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P05002-P05002	1	
3	Quality control for the first large areas of triple-GEM chambers for the CMS endcaps. <i>EPJ Web of Conferences</i> , 2018 , 174, 03003	0.3	
2	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
1	Measurement of the inclusive $\overline{\text{t}}\text{t}$ 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	

