Geoffrey Hall

List of Publications by Year in Descending Order

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

507	10,198	45	79
papers	citations	h-index	g-index
541 ext. papers	12,321 ext. citations	4.3 avg, IF	5.38 L-index

#	Paper	IF	Citations
507	Measurement of double-parton scattering in inclusive production of four jets with low transverse momentum in proton-proton collisions at \$\$ sqrt{s} \$\$ = 13 TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	O
506	Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
505	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	O
504	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
503	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at European Physical Journal C, 2022 , 82, 153	4.2	O
502	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	
501	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	O
500	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	0
499	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	O
498	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	О
497	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	O
496	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	O
495	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	O
494	Measurement of the inclusive $$$ mathrm{t}overline{mathrm{t}} \$\$ production cross section in proton-proton collisions at $$$ sqrt{s} $$$ = 5.02 TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
493	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at sqrt[s]=5.02 TeV Using Leptonic Decays. <i>Physical Review Letters</i> , 2021 , 127, 191801	7.4	O
492	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
491	Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the B b final state at 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2

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490	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $$$ sqrt ${s}$ $$$ = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
489	Selection of the silicon sensor thickness for the Phase-2 upgrade of the CMS Outer Tracker. <i>Journal of Instrumentation</i> , 2021 , 16, P11028	1	O
488	Observation of tW production in the single-lepton channel in pp collisions at (sqrt{s}) = 13 TeV. Journal of High Energy Physics, 2021 , 2021, 1	5.4	0
487	Search for chargino-neutralino production in events with Higgs and W bosons using 137 fb 1 of proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
486	Measurements of the pp -> $W \oplus D$ and pp -> ZD ross sections at ($sqrt{mathrm{s}}$) = 13 TeV and limits on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
485	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
484	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
483	Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
482	Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	4
481	Search for new physics in top quark production with additional leptons in proton-proton collisions at ($sqrt{s}$) = 13 TeV using effective field theory. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	4
480	Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
479	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
478	Development and validation of HERWIGIT tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
477	Angular analysis of the decay B+ -> K*(892)+@n proton-proton collisions at (sqrt{mathrm{s}}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
476	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
475	Track reconstruction of particle interactions in long crystals with large bending. <i>Journal of Instrumentation</i> , 2021 , 16, P05017	1	
474	Measurement of b jet shapes in proton-proton collisions at ($sqrt{s}$) = 5.02 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
473	First measurement of large area jet transverse momentum spectra in heavy-ion collisions. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2

472	Study of Drell-Yan dimuon production in proton-lead collisions at (sqrt{s_{mathrm{NN}}}) = 8.16 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	O
471	Measurements of the differential cross sections of the production of $Z + jets$ and $\Box + jets$ and of $Z + jets$ and of	5.4	
470	In-medium modification of dijets in PbPb collisions at (sqrt{s_{mathrm{NN}}}) = 5.02 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	O
469	Measurement of the Z boson differential production cross section using its invisible decay mode (Z -> (nu overline{nu})) in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	
468	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
467	Performance of the CMS muon trigger system in proton-proton collisions at (b) = 13. <i>Journal of Instrumentation</i> , 2021 , 16, P07001	1	2
466	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at (sqrt{mathrm{s}}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
465	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
464	Search for the lepton flavor violating decay $\mathbb{G} > 3\mathbb{I}$ n proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
463	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
462	Evidence for Higgs boson decay to a pair of muons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	14
461	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
460	The CMS Phase-1 pixel detector upgrade. <i>Journal of Instrumentation</i> , 2021 , 16, P02027-P02027	1	2
459	The very forward CASTOR calorimeter of the CMS experiment. <i>Journal of Instrumentation</i> , 2021 , 16, PC)2 <u>@</u> 10-l	P0 2 010
458	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
457	Search for a heavy vector resonance decaying to a lboson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 688	4.2	O
456	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
455	Channeling efficiency reduction in high dose neutron irradiated silicon crystals for high energy and high intensity beam collimation and extraction. <i>Journal of Instrumentation</i> , 2021 , 16, P08015	1	O

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454	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	О
453	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
452	Double-crystal measurements at the CERN SPS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment,</i> 2021 , 1015, 16574	4 7 .2	1
451	Measurement of prompt open-charm production cross sections in proton-proton collisions at \$\$ sqrt{s} \$\$ = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	
450	Measurement of the inclusive and differential t \$\$ overline{ t } \$\$\textstyle{\textstyle{\textstyle{1}}}\$ channel and EFT interpretation at \$\$ sqrt{ s } \$\$ = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	O
449	Measurement of the top quark mass using events with a single reconstructed top quark in pp collisions at \$\$ sqrt{s} \$\$ = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	O
448	Probing effective field theory operators in the associated production of top quarks with a Z boson in multilepton final states at $$$ sqrt ${s}$ $$$ = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	O
447	Comparative evaluation of analogue front-end designs for the CMS Inner Tracker at the High Luminosity LHC. <i>Journal of Instrumentation</i> , 2021 , 16, P12014	1	O
446	Search for a heavy resonance decaying to a top quark and a W boson at \$\$ sqrt{s} \$\$ = 13 TeV in the fully hadronic final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
445	Performance of the CMS Level-1 trigger in proton-proton collisions at 日 = 13 TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P10017-P10017	1	23
445		5.4	23
	Instrumentation, 2020, 15, P10017-P10017 Search for decays of the 125 GeV Higgs boson into a Z boson and a lbr? meson. Journal of High		
444	Instrumentation, 2020, 15, P10017-P10017 Search for decays of the 125 GeV Higgs boson into a Z boson and a lbr? meson. Journal of High Energy Physics, 2020, 2020, 1 Search for direct top squark pair production in events with one lepton, jets, and missing transverse	5.4	2
444	Instrumentation, 2020, 15, P10017-P10017 Search for decays of the 125 GeV Higgs boson into a Z boson and a lbr? meson. Journal of High Energy Physics, 2020, 2020, 1 Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1 Search for high mass dijet resonances with a new background prediction method in proton-proton	5·4 5·4	2
444 443 442	Search for decays of the 125 GeV Higgs boson into a Z boson and a lbr? meson. Journal of High Energy Physics, 2020, 2020, 1 Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1 Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at (sqrt{s}) = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1 Optimisation of a silicon microstrip telescope for UA9 crystal channeling studies. Journal of	5·4 5·4 5·4	2 12 20
444 443 442 441	Search for decays of the 125 GeV Higgs boson into a Z boson and a lbr? meson. Journal of High Energy Physics, 2020, 2020, 1 Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1 Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at (sqrt{s}) = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1 Optimisation of a silicon microstrip telescope for UA9 crystal channeling studies. Journal of Instrumentation, 2020, 15, C05014-C05014 Search for supersymmetry in proton-proton collisions at (sqrt{s}) = 13 TeV in events with high-momentum Z bosons and missing transverse momentum. Journal of High Energy Physics, 2020,	5·4 5·4 1	2 12 20
444 443 442 441 440	Search for decays of the 125 GeV Higgs boson into a Z boson and a lbr? meson. Journal of High Energy Physics, 2020, 2020, 1 Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1 Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at (sqrt{s}) = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1 Optimisation of a silicon microstrip telescope for UA9 crystal channeling studies. Journal of Instrumentation, 2020, 15, C05014-C05014 Search for supersymmetry in proton-proton collisions at (sqrt{s}) = 13 TeV in events with high-momentum Z bosons and missing transverse momentum. Journal of High Energy Physics, 2020, 2020, 1 Measurement of top quark pair production in association with a Z boson in proton-proton collisions	5·4 5·4 1 5·4	2 12 20 1

436	The UA9 setup for the double-crystal experiment in CERN-SPS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 975, 164175	1.2	2
435	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
434	Angular asymmetry of the nuclear interaction probability of high energy particles in short bent crystals. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	1
433	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
432	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV and constraints on anomalous quartic couplings. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
431	Determination of the strong coupling constant $\exists S(mZ)$ from measurements of inclusive $W\exists$ and Z boson production cross sections in proton-proton collisions at (sqrt{mathrm{s}}) = 7 and 8 TeV. Journal of High Energy Physics, 2020, 2020, 1	5.4	2
430	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
429	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
428	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
427	Channeling efficiency in a target-crystal assembly. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 467, 118-122	1.2	2
426	Evidence for (text {W}text {W}) production from double-parton interactions in proton proton collisions at (sqrt{s} = 13 ,text {TeV}). European Physical Journal C, 2020 , 80, 1	4.2	4
425	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
424	Results on multiple Coulomb scattering from 12 and 20 GeV electrons on carbon targets. <i>Journal of Instrumentation</i> , 2020 , 15, P01017-P01017	1	6
423	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
422	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
421	Search for lepton flavour violating decays of a neutral heavy Higgs boson to \Box and e \Box n proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
420	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
419	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11

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418	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
417	A multi-dimensional search for new heavy resonances decaying to boosted , , or boson pairs in the dijet final state at 13 <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
416	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	О
415	Measurement of differential cross sections and charge ratios for -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	4
414	Measurement of (hbox {t}{bar{hbox {t}}}) normalised multi-differential cross sections in ({text {p}}{text {p}}) collisions at (sqrt{s}=13,{text {TeV}}), and simultaneous determination of the strong coupling second to part pole mass, and parton distribution functions. European Physical	4.2	13
413	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	16
412	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at (sqrt{mathrm{s}}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
411	Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at (sqrt $\{s\}$) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
410	Beam test performance of prototype silicon detectors for the Outer Tracker for the Phase-2 Upgrade of CMS. <i>Journal of Instrumentation</i> , 2020 , 15, P03014-P03014	1	2
409	The production of isolated photons in PbPb and pp collisions at (sqrt{s_{mathrm{NN}}}) = 5.02 TeV. Journal of High Energy Physics, 2020 , 2020, 1	5.4	2
408	Investigation into the event-activity dependence of $?(nS)$ relative production in proton-proton collisions at (sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
407	Bose-Einstein correlations of charged hadrons in proton-proton collisions at (sqrt{s}) = 13 TeV. Journal of High Energy Physics, 2020 , 2020, 1	5.4	2
406	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
405	Experimental study of different silicon sensor options for the upgrade of the CMS Outer Tracker. Journal of Instrumentation, 2020 , 15, P04017-P04017	1	2
404	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
403	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
402	Measurement of properties of ({mathrm{B}}_{mathrm{s}}^0)-> ⊞Idecays and search for B0-> ⊞I with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
401	Search for a light pseudoscalar Higgs boson in the boosted \mathbf{F} in all state in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9

400	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at 目 = 13 TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
399	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
398	Measurement of the cross section for (mathrm{t}overline{mathrm{t}}) production with additional jets and b jets in pp collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
397	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
396	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
395	Calibration of the CMS hadron calorimeters using proton-proton collision data at 8 = 13 TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P05002-P05002	1	
394	Single Event Upset rates in the CBC in CMS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment,</i> 2020 , 978, 164416	1.2	
393	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
392	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
391	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	О
390	Observation of strong reduction of multiple scattering for channeled particles in bent crystals. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 804, 135396	4.2	1
389	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	O
388	Search for charged Higgs bosons in the H \oplus -> \oplus Delecay channel in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	24
387	Search for the chiral magnetic effect at the LHC with the CMS experiment. <i>Nuclear Physics A</i> , 2019 , 982, 527-530	1.3	1
386	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
385	Search for a low-mass \blacksquare 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
384	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 [leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
383	Search for the pair production of light top squarks in the eHD final state in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4

382	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
381	Search for supersymmetry in events with a photon, jets, -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
380	Measurements of the pp -> 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
379	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
378	Measurement of the energy density as a function of pseudorapidity in protonproton collisions at (sqrt{s} =13,text {TeV}). European Physical Journal C, 2019 , 79, 1	4.2	7
377	Search for nonresonant Higgs boson pair production in the (mathrm{b}overline{mathrm{b}}mathrm{b}overline{mathrm{b}}) final state at (sqrt{s}) = 13 TeV. Journal of High Energy Physics, 2019, 2019, 1	5.4	4
376	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
375	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
374	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
373	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
372	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
371	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
370	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
369	Measurements of (mathrm{t}overline{mathrm{t}}) differential cross sections in proton-proton collisions at (sqrt{mathrm{s}}=13) TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
368	Search for (mathrm{t}overline{mathrm{t}}mathrm{H}) production in the (mathrm{H}to mathrm{b}overline{mathrm{b}}) decay channel with leptonic (mathrm{t}overline{mathrm{t}}) decays in proton-proton collisions at (sqrt{s}=13) TeV. Journal of High Energy Physics, 2019, 2019, 1	5.4	17
367	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
366	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
365	Search for resonant (mathrm{t}overline{mathrm{t}}) production in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13

364	Focusing of 180 GeV/c pions from a point-like source into a parallel beam by a bent silicon crystal. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019 , 446, 15-18	1.2	6
363	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
362	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
361	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
360	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two Ileptons 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
359	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
358	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
357	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
356	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
355	Search for excited leptons in If inal states in proton-proton collisions at (sqrt{mathrm{s}}=13) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
354	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
353	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton $+$ jets final state in pp collisions at (sqrt{s} = 13,text {TeV}). European Physical Journal C, 2019 , 79, 1	4.2	6
352	Measurement of exclusive Iphotoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 702	4.2	13
351	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
350	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
349	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
348	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
347	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

346	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
345	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
344	Study of the ($\{\text{mathrm}\{B\}\}^{+}$ to mathrm $\{J\}$ /uppsi overline $\{\text{Lambda}\}$ mathrm $\{p\}$) decay in proton-proton collisions at ($\text{sqrt}\{s\}$) = 8 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
343	Search for resonances decaying to a pair of Higgs bosons in the b(overline{mathrm{b}})q(overline{mathrm{q}})Ifinal state in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
342	The DAQ and control system for the CMS Phase-1 pixel detector upgrade. <i>Journal of Instrumentation</i> , 2019 , 14, P10017-P10017	1	O
341	Reduction of multiple scattering of high-energy positively charged particles during channeling in single crystals. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	3
340	Measurement of the differential Drell-Yan cross section in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	6
339	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
338	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
337	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
336	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
335	Beam steering performance of bent silicon crystals irradiated with high-intensity and high-energy protons. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1
334	A high angular resolution silicon microstrip telescope for crystal channeling studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 924, 394-399	1.2	9
333	Results from the CBC3 readout ASIC for CMS 2S-modules. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment,</i> 2019 , 924, 175-180	1.2	3
332	Dechanneling of high energy particles in a long bent crystal. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019 , 438, 38-41	1.2	4
331	Pseudorapidity distributions of charged hadrons in proton-lead collisions at (sqrt{s_{mathrm{NN}}}=5.02) and 8.16 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
330	Search for resonant and nonresonant Higgs boson pair production in the (mathrm{b}overline{mathrm{b}}mathit{ell nu ell nu }) final state in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
329	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at = 13. <i>European Physical Journal C</i> , 2018 , 78, 291	4.2	17

328	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
327	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 287	4.2	11
326	Measurement of the inclusive (mathrm{t}overline{mathrm{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
325	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	
324	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
323	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
322	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
321	Measurement of differential cross sections in the kinematic angular variable ?* 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
320	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at (sqrt{s_{mathrm{NN}}}=5.02) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
319	Measurement of normalized differential (mathrm{t}overline{mathrm{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
318	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
317	Search for ZZ resonances in the 2½ Final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
316	Jet properties in PbPb and pp collisions at ($sqrt{s_{mathrm{N};mathrm{N}}}=5.02$) TeV. Journal of High Energy Physics, 2018 , 2018, 1	5.4	7
315	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
314	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
313	Measurements of the (mathrm $\{p\}$ mathrm $\{p\}$ rightarrow mathrm $\{Z\}$ mathrm $\{Z\}$) production cross section and the (mathrm $\{Z\}$ rightarrow 4ell) branching fraction, and constraints on anomalous triple gauge couplings at $\{p\}$ 13, text $\{p\}$ 2018, 78, 1		3
312	Comprehensive study of beam focusing by crystal devices. <i>Physical Review Accelerators and Beams</i> , 2018 , 21,	1.8	13
311	Focusing of a particle beam by a crystal device with a short focal length. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018 , 414, 104-106	1.2	3

310	Search for (mathrm{t}overline{mathrm{t}}mathrm{H}) production in the all-jet final state in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
309	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
308	Measurement of the groomed jet mass in PbPb and pp collisions at (sqrt{s_{mathrm{NN}}}=5.02) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
307	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
306	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
305	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
304	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
303	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
302	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
301	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
300	Charged-particle nuclear modification factors in XeXe collisions at (sqrt{s_{mathrm{NN}}} = 5.44) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
299	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
298	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
297	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
296	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
295	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
294	Search for ZIresonances 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
293	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

292	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
291	Search for supersymmetry in events with a llepton 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
2 90	Search for the decay of a Higgs boson in the Ithannel in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
289	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
288	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
287	Search for a heavy resonance decaying into a Z boson and a Z or W boson in 20q final states at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
286	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
285	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to elfinal states in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
284	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
283	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at (sqrt{s}= 13~hbox {TeV}). European Physical Journal C, 2018 , 78, 1	4.2	4
282	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
281	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
280	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
279	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
278	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
277	Search for dark matter produced in association with a Higgs boson decaying to lbr lb llbt (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
276	Search for additional neutral MSSM Higgs bosons in the III in al state in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	42
275	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

274	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
273	Search for a heavy resonance decaying into a Z boson and a vector boson in the (nu overline{nu}mathrm{q}overline{mathrm{q}}) final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
272	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
271	Search for beyond the standard model Higgs bosons decaying into a (mathrm{b}overline{mathrm{b}}) pair in pp collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
270	Study of inelastic nuclear interactions of 400 GeV/c protons in bent silicon crystals for beam steering purposes. <i>European Physical Journal C</i> , 2018 , 78, 505	4.2	6
269	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
268	Search for lepton flavour violating decays of the Higgs boson to Land ellin proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
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266	Test beam demonstration of silicon microstrip modules with transverse momentum discrimination for the future CMS tracking detector. <i>Journal of Instrumentation</i> , 2018 , 13, P03003-P03003	1	2
265	Electroweak production of two jets in association with a Z boson in protonproton collisions at (sqrt{s}=) 13(,text {TeV}). European Physical Journal C, 2018 , 78, 1	4.2	12
264	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
263	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
262	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
261	Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	20
260	Search for a singly produced third-generation scalar leptoquark decaying to a llepton 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
259	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
258	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
257	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

256	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
255	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
254	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
253	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
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250	A search for new phenomena in pp collisions at [Formula: see text] in final states with missing transverse momentum and at least one jet using the [Formula: see text] variable. <i>European Physical Journal C</i> , 2017 , 77, 294	4.2	21
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246	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
245	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
244	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at (sqrt{s}=8) TeV using H -> WW decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
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241	Search for associated production of dark matter with a Higgs boson decaying to (mathrm{b}overline{mathrm{b}}) or [at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
240	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
239	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

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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	
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	
The CMS Level-1 electron and photon trigger: for Run II of LHC. <i>Journal of Instrumentation</i> , 2017 , 12, C02014-C02014	1	2	
Measurement of electroweak-induced production of WIwith 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	
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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	
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	
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	
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219	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
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213	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
212	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
211	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
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209	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
208	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
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206	Search for new phenomena with multiple charged leptons in protonproton collisions at (sqrt{s}=13) (,text {TeV}). European Physical Journal C, 2017 , 77, 1	4.2	2
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	decaying [leptons and two jets in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
201	Search for CP violation in (toverline{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
200	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
199	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
198	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
197	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
196	An FPGA based track finder for the L1 trigger of the CMS experiment at the High Luminosity LHC. <i>Journal of Instrumentation</i> , 2017 , 12, P12019-P12019	1	20
195	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
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192 191		4.2	
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191	2016, Measurement of dijet azimuthal decorrelation in pp[tollisions at [Formula: see text]. European Physical Journal C, 2016, 76, 536 Search for dark matter particles in proton-proton collisions at (sqrt{s}=8) TeV using the razor	4.2	4
191	Measurement of dijet azimuthal decorrelation in pp[tollisions at [Formula: see text]. European Physical Journal C, 2016, 76, 536 Search for dark matter particles in proton-proton collisions at (sqrt{s}=8) TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1 Search for s channel single top quark production in pp collisions at (sqrt{s}=7) and 8 TeV. Journal of	4.2 5.4	4 6 2
191 190 189	Measurement of dijet azimuthal decorrelation in pp[tollisions at [Formula: see text]. European Physical Journal C, 2016, 76, 536 Search for dark matter particles in proton-proton collisions at (sqrt{s}=8) TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1 Search for s channel single top quark production in pp collisions at (sqrt{s}=7) and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1 Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula:	4.2 5.4	4 6 2 8
191 190 189 188	Measurement of dijet azimuthal decorrelation in pp[tollisions at [Formula: see text]. European Physical Journal C, 2016, 76, 536 Search for dark matter particles in proton-proton collisions at (sqrt{s}=8) TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1 Search for s channel single top quark production in pp collisions at (sqrt{s}=7) and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1 Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. European Physical Journal C, 2016, 76, 372 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. Journal of High Energy	4.2 5.4 5.4	4 6 2 8

184	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
183	Evidence for exclusive II> W + W Iproduction 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
182	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
181	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 460	4.2	14
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176	Measurement of [Formula: see text] production with additional jet activity, including [Formula: see text] quark jets, in the dilepton decay channel using pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 379	4.2	20
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174	Search for W? -> tb in proton-proton collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
173	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
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171	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
170	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
169	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
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167	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

166	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	
165	Search for heavy Majorana neutrinos in $e \boxminus e \boxminus e \boxminus + jets$ and $e \boxminus \boxminus + jets$ events in proton-proton collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28	
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163	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	
162	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	
161	Triggering on electrons, jets and tau leptons with the CMS upgraded calorimeter trigger for the LHC RUN II. <i>Journal of Instrumentation</i> , 2016 , 11, C02008-C02008	1	6	
160	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at (sqrt{s_{mathrm{N}}}=2.76) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13	
159	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	
158	Trapping in proton irradiated p+-n-n+silicon sensors at fluences anticipated at the HL-LHC outer tracker. <i>Journal of Instrumentation</i> , 2016 , 11, P04023-P04023	1	8	
157	Reconstruction and identification of Depton decays to hadrons and Et CMS. <i>Journal of Instrumentation</i> , 2016 , 11, P01019-P01019	1	75	
156	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	
155	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	
154	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	
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152	L1 track finding for a time multiplexed trigger. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment,</i> 2016 , 824, 268-269	1.2	2	
151	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	
150	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	
149	Observation of channeling for 6500 GeV/c protons in the crystal assisted collimation setup for LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 129-133	4.2	70	

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147	High-efficiency deflection of high energy protons due to channeling along the <110> axis of a bent silicon crystal. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 826-831	4.2	16
146	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
145	A crystal routine for collimation studies in circular proton accelerators. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 355, 378-382	1.2	6
144	Observation of nuclear dechanneling length reduction for high energy protons in a short bent crystal. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 440-44	4 3 .2	3
143	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
142	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
141	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
140	Measurement of the ratio of the production cross sections times branching fractions of B \exists c -> J/ \Box \exists and B \exists -> J/ \Box \exists and (mathrm{mathcal{B}}left({mathrm{B}}_{mathrm{c}}^{pm}to mathrm{J}/psi {pi}^{pm}{pm}{pi}^{mp}t)/mathrm{mathcal{B}}left({mathrm{B}}_{mathrm{c}}^{pm}to mathrm{c}}^{pm}to mathrm{mathcal{B}}left({mathrm{B}}_{mathrm{C}}^{pm}to mathrm{mathral{B}})	5.4	13
139	mathrm{J}/psi {pi}^{pm}right)) in pp collisions at (sqrt{s}=7) TeV. Journal of High Energy Physics, Search for disappearing tracks in proton-proton collisions at (sqrt{s}=8) TeV. Journal of High Energy Physics, 2015, 2015, 1	5.4	35
138	Study of Z production in PbPb and pp collisions at (sqrt{s_{mathrm{NN}}}=2.76) TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
137	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
136	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
135	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
134	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
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131	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at 🛭 8 TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P08010-P08010	1	141

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130	Performance of the CMS missing transverse momentum reconstruction in pp data at \blacksquare = 8 TeV. Journal of Instrumentation, 2015 , 10, P02006-P02006	1	84
129	Comparative results on the deflection of positively and negatively charged particles by multiple volume reflections in a multi-strip silicon deflector. <i>JETP Letters</i> , 2015 , 101, 679-684	1.2	4
128	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
127	Search for third-generation scalar leptoquarks in the thannel in proton-proton collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	19
126	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
125	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
124	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
123	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
122	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
121	Search for a light charged Higgs boson decaying to (mathrm{c}overline{mathrm{s}}) in pp collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5.4	33
120	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
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118	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
117	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
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111	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
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106	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
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103	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
102	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
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99	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014 , 9, P10009-P10009	1	279
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	61		4.2	18
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