

# Luigi Benussi

## List of Publications by Citations

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587  
papers

15,664  
citations

60  
h-index

97  
g-index

619  
ext. papers

17,726  
ext. citations

4.2  
avg, IF

2.67  
L-index

#	Paper	IF	Citations
587	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> , <b>2015</b> , 75, 212	4.2	399
586	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	389
585	Evidence for a kaon-bound state $K(-)pp$ produced in $K(-)$ absorption reactions at rest. <i>Physical Review Letters</i> , <b>2005</b> , 94, 212303	7.4	335
584	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> , <b>2012</b> , 72, 1	4.2	316
583	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> , <b>2013</b> , 2013, 1	5.4	261
582	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> , <b>2015</b> , 75, 235	4.2	250
581	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , <b>2016</b> , 76, 155	4.2	250
580	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3076	4.2	239
579	Craniosynostosis caused by Axin2 deficiency is mediated through distinct functions of beta-catenin in proliferation and differentiation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 301, 298-308	4.2	207
578	Suppression of non-prompt $J/\psi$ and ( $\Upsilon$ )(1S) in PbPb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	184
577	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> , <b>2014</b> , 74, 3036	4.2	183
576	Search for top-squark pair production in the single-lepton final state in pp collisions at ( $\sqrt{s}=8$ mathrm{TeV}). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	162
575	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ mbox{TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	158
574	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> , <b>2012</b> , 2012, 1	5.4	155
573	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 421	4.2	153
572	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> , <b>2014</b> , 74, 3149	4.2	149
571	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	144

570	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at ( $\sqrt{s} = 0.9, 2.76, \text{ and } 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	133
569	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2980	4.2	131
568	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> , <b>2011</b> , 2011, 1	5.4	121
567	Prompt and non-prompt $J/\psi$ production in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	118
566	A search for a doubly-charged Higgs boson in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	111
565	Measurements of inclusive W and Z cross sections in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	104
564	Measurement of masses and widths of excited charm mesons $D_2^*$ and evidence for broad states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 586, 11-20	4.2	103
563	Measurement of differential top-quark-pair production cross sections in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	102
562	Evidence for the 125 GeV Higgs boson decaying to a pair of leptons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	101
561	Search for a light charged Higgs boson in top quark decays in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	101
560	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , <b>2010</b> , 70, 116541192	4.2	99
559	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 542	4.2	98
558	Searches for long-lived charged particles in pp collisions at ( $\sqrt{s} = 7$ and 8 TeV). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	96
557	Search for supersymmetry in hadronic final states using MET in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	92
556	Charm system tests of CPT and Lorentz invariance with FOCUS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 556, 7-13	4.2	91
555	Charged particle multiplicities in pp interactions at ( $\sqrt{s} = 0.9, 2.36, \text{ and } 7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	89
554	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ( $\sqrt{s_{NN}} = 2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	87
553	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> , <b>2013</b> , 73, 2568	4.2	82

552	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> , <b>2014</b> , 2014, 1	5-4	81
551	Strange particle production in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	78
550	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> , <b>2017</b> , 2017, 1	5-4	77
549	First results on $12\pi$ production at DAΦNE. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 622, 35-44	4-2	77
548	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> , <b>2014</b> , 2014, 1	5-4	74
547	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> , <b>2017</b> , 2017, 1	5-4	74
546	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> , <b>2015</b> , 2015, 1	5-4	73
545	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $(\sqrt{s_{\mathrm{NN}}}) = 2.76$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	73
544	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2847	4-2	71
543	A new boson with a mass of 125 GeV observed with the CMS experiment at the Large Hadron Collider. <i>Science</i> , <b>2012</b> , 338, 1569-75	33-3	71
542	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	70
541	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> , <b>2012</b> , 2012, 1	5-4	70
540	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> , <b>2011</b> , 2011, 1	5-4	70
539	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> , <b>2015</b> , 2015, 1	5-4	69
538	$J/\psi$ and $\psi(2S)$ production in pp collisions at $(\sqrt{s} = 7\text{ TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	69
537	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> , <b>2014</b> , 74, 1	4-2	67
536	Search for anomalous production of multilepton events in pp collisions at $(\sqrt{s} = 7, \text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	65
535	Evidence for new interference phenomena in the decay $D^+ \rightarrow K^0 \pi^+$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 535, 43-51	4-2	65

534	Charged-particle nuclear modification factors in PbPb and pPb collisions at ( $\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	64
533	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> , <b>2012</b> , 2012, 1	5-4	64
532	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> , <b>2018</b> , 2018, 1	5-4	63
531	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , <b>2020</b> , 80, 4	4-2	61
530	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> , <b>2014</b> , 2014, 1	5-4	61
529	Search for a charged Higgs boson in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	61
528	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> , <b>2014</b> , 2014, 1	5-4	60
527	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> , <b>2014</b> , 2014, 1	5-4	59
526	Evidence for heavy hyperhydrogen ( $\Xi(6)h$ ). <i>Physical Review Letters</i> , <b>2012</b> , 108, 042501	7-4	59
525	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> , <b>2017</b> , 77, 252	4-2	58
524	Search for anomalous ( $\overline{\mathrm{t}}$ ) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	57
523	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> , <b>2013</b> , 2013, 1	5-4	56
522	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> , <b>2013</b> , 73, 1	4-2	56
521	Long-range and short-range dihadron angular correlations in central PbPb collisions at ( $\sqrt{s_{\mathrm{NN}}}$ ) = 2.76 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	56
520	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> , <b>2015</b> , 75, 251	4-2	55
519	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> , <b>2017</b> , 77, 710	4-2	54
518	Dalitz plot analysis of D <sub>s</sub> <sup>+</sup> and D <sup>+</sup> decay to $\mu\mu$ using the K-matrix formalism. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 585, 200-212	4-2	54
517	A study of the proton spectra following the capture of in <sup>6</sup> Li and <sup>12</sup> C with FINUDA. <i>Nuclear Physics A</i> , <b>2006</b> , 775, 35-50	1-3	53

516	Search for $(\text{B})_{\text{S}}^0 \rightarrow \text{B}^0 \text{B}^0$ decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	52
515	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 147	4-2	50
514	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> , <b>2013</b> , 73, 1	4-2	50
513	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> , <b>2013</b> , 73, 2469	4-2	49
512	Correlated $\text{B}^0$ pairs from the $\text{K}^0 \text{S} \rightarrow \text{B}^0 \text{B}^0$ reaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 654, 80-86	4-2	49
511	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 237	4-2	48
510	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	48
509	Measurement of the $(\text{t}\bar{\text{t}})$ 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> , <b>2011</b> , 2011, 1	5-4	48
508	Measurements of the $q^2$ dependence of the $\text{D}^0 \rightarrow \text{K}^0 \ell^+ \ell^-$ and $\text{D}^0 \rightarrow \pi^0 \ell^+ \ell^-$ form factors. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 607, 233-242	4-2	48
507	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> , <b>2017</b> , 2017, 1	5-4	46
506	Measurement of the relative prompt production rate of $\text{B}^0$ and $\text{B}^+$ in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2251	4-2	46
505	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> , <b>2011</b> , 2011, 1	5-4	46
504	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> , <b>2011</b> , 2011, 1	5-4	46
503	Exclusive $\text{B}^0 \rightarrow \text{B}^0 \ell^+ \ell^-$ production in proton-proton collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
502	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	45
501	Search for exclusive or semi-exclusive $\text{B}^0$ production and observation of exclusive and semi-exclusive $\text{e}^+\text{e}^- \rightarrow \text{B}^0$ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
500	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2283	4-2	45
499	Measurement of the $\text{X}(3872)$ production cross section via decays to $\text{J}/\psi \text{B}^0$ in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	44



498	Search for heavy bottom-like quarks in 4.9 fb of pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	44
497	Charged particle transverse momentum spectra in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	44
496	Measurement of the ( $t\bar{t}$ ) production cross section in the dilepton channel in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	43
495	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> , <b>2013</b> , 2013, 1	5-4	43
494	Search for leptonic decays of $W^\pm$ bosons in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	43
493	Event activity dependence of ( $\Upsilon$ )(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> , <b>2014</b> , 2014, 1	5-4	42
492	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> , <b>2015</b> , 75, 186	4-2	41
491	Measurement of prompt $J/\psi$ pair production in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	41
490	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> , <b>2012</b> , 2012, 1	5-4	41
489	Measurement of the inelastic proton-proton cross section at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	41
488	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> , <b>2018</b> , 2018, 1	5-4	40
487	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	39
486	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> , <b>2013</b> , 2013, 1	5-4	39
485	Measurement of the ZZ production cross section and search for anomalous couplings in 200 final states in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	39
484	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> , <b>2011</b> , 2011, 1	5-4	39
483	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> , <b>2014</b> , 2014, 1	5-4	38
482	Search for microscopic black holes in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	38
481	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> , <b>2011</b> , 2011, 1	5-4	38

480	Hypernuclear spectroscopy with $K^+$ at rest on $^7\text{Li}$ , $^9\text{Be}$ , $^{13}\text{C}$ and $^{16}\text{O}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 219-225	4.2	38
479	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> , <b>2016</b> , 76, 401	4.2	38
478	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> , <b>2015</b> , 75, 288	4.2	37
477	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> , <b>2016</b> , 76, 469	4.2	37
476	Measurement of associated W + charm production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	37
475	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> , <b>2012</b> , 2012, 1	5.4	37
474	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> , <b>2013</b> , 73, 2494	4.2	37
473	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> , <b>2013</b> , 2013, 1	5.4	37
472	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> , <b>2014</b> , 74, 1	4.2	37
471	New results on mesonic weak decay of p-shell hypernuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 681, 139-146	4.2	37
470	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> , <b>2018</b> , 2018, 1	5.4	37
469	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , <b>2018</b> , 78, 509	4.2	37
468	Measurement of the top-quark mass in $(\overline{\text{t}}\text{t})$ events with dilepton final states in pp collisions at $(\sqrt{s}=7 \text{ TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	36
467	First measurement of the underlying event activity at the LHC with $(\sqrt{s} = 0.9)$ TeV. <i>European Physical Journal C</i> , <b>2010</b> , 70, 555-572	4.2	36
466	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 451	4.2	36
465	Search for disappearing tracks in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	35
464	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> , <b>2016</b> , 76, 13	4.2	35
463	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> , <b>2013</b> , 2013, 1	5.4	35



462	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> , <b>2017</b> , 2017, 1	5-4	35
461	Measurement of the ( $\mathit{t}\bar{\mathit{t}}$ ) production cross section in pp collisions at ( $\sqrt{s}=7$ ) TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	35
460	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> , <b>2017</b> , 2017, 1	5-4	34
459	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 439	4-2	34
458	Search for microscopic black holes in pp collisions at ( $\sqrt{s} = \text{7TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	34
457	Search for heavy stable charged particles in pp collisions at ( $\sqrt{s} = 7;\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	34
456	Dalitz plot analysis of the $D^{*+} \rightarrow K^0 \pi^+$ decay in the FOCUS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 653, 1-11	4-2	34
455	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 151	4-2	33
454	First observation of the hyper superheavy hydrogen $H\bar{B}$ . <i>Nuclear Physics A</i> , <b>2012</b> , 881, 269-287	1-3	33
453	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> , <b>2013</b> , 2013, 1	5-4	33
452	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> , <b>2015</b> , 2015, 1	5-4	33
451	Search for a light charged Higgs boson decaying to ( $\mathit{c}\overline{\mathit{s}}$ ) in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-37	5-4	33
450	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	32
449	Search for resonances in the dilepton mass distribution in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	32
448	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> , <b>2011</b> , 2011, 1	5-4	32
447	Measurement of the Drell-Yan cross section in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	32
446	Proton spectra from Non-Mesonic Weak Decay of p-shell $\Lambda$ hypernuclei and evidence for the two-nucleon induced process. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 685, 247-252	4-2	32
445	Search for . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 640, 145-149	4-2	31

444	The target silicon detector for the FOCUS spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 516, 364-376 <sup>1,2</sup>	31
443	Measurement of the $(\overline{t}t)$ production cross section in the $e\bar{e}$ channel in proton-proton collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4 30
442	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4 30
441	Inclusive b-jet production in pp collisions at $(\sqrt{s} = 7\text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4 30
440	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4 30
439	Measurement of the top-quark mass in $(\overline{t}t)$ events with lepton+jets final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4 30
438	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $(\sqrt{s} = 7\text{TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2 30
437	New measurements of the $D^+ \rightarrow K^* \ell^+ \ell^-$ form factor ratios. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 544, 89-96	4.2 30
436	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 165	4.2 29
435	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or B b-quark jets in 7 TeV pp collisions using the variable $\beta_T$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4 29
434	Observation of $Y(1S)$ pair production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4 29
433	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3060	4.2 29
432	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3129	4.2 29
431	Hadronic mass spectrum analysis of $D^+ \rightarrow K^* \ell^+ \ell^-$ decay and measurement of the $K^*(892)^0$ mass and width. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 621, 72-80	4.2 29
430	Search for heavy Majorana neutrinos in $e\bar{e} + \text{jets}$ and $e\bar{e} + \text{jets}$ events in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4 28
429	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4 28
428	Measurement of the proton spectra from non-mesonic weak decay of $^5\text{He}$ , $^7\text{Li}$ and $^{12}\text{C}$ . <i>Nuclear Physics A</i> , <b>2008</b> , 804, 151-161	1.3 28
427	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> , <b>2018</b> , 2018, 1	5.4 28

426	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> , <b>2019</b> , 79, 368	4.2	27
425	Evidence for exclusive $\overline{W} + W$ production and constraints on anomalous quartic gauge couplings in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	27
424	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> , <b>2013</b> , 718, 383-386	1.2	27
423	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ( $\sqrt{s}=7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	27
422	Measurement of ( $\overline{B}$ ) angular correlations based on secondary vertex reconstruction at ( $\sqrt{s} = 7$ ,TeV). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	27
421	The . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 681, 14-21	4.2	27
420	Search for T violation in charm meson decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 622, 239-248	4.2	27
419	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> , <b>2017</b> , 77, 269	4.2	26
418	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> , <b>2013</b> , 2013, 1	5.4	26
417	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> , <b>2017</b> , 2017, 1	5.4	26
416	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> , <b>2015</b> , 2015, 1	5.4	26
415	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at ( $\sqrt{s} = 7$ ,TeV). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	26
414	Measurement of the doubly Cabibbo suppressed decay $D^0 \rightarrow K^+ \pi^-$ and a search for charm mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 618, 23-33	4.2	26
413	Measurement of the W-boson helicity in top-quark decays from ( $\overline{t}$ ) production in lepton+jets events in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	25
412	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> , <b>2017</b> , 2017, 1	5.4	25
411	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> , <b>2015</b> , 75, 511	4.2	25
410	Search for resonant ( $\overline{t}$ ) production in lepton+jets events in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	25
409	Study of the Cabibbo-suppressed decay modes $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 555, 167-173	4.2	25

408	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , <b>2016</b> , 76, 371	4.2	25
407	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> , <b>2018</b> , 78, 701	4.2	25
406	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> , <b>2015</b> , 75, 325	4.2	24
405	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> , <b>2020</b> , 80, 75	4.2	24
404	Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 372	4.2	24
403	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> , <b>2013</b> , 73, 2674	4.2	24
402	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> , <b>2012</b> , 2012, 1	5.4	24
401	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> , <b>2012</b> , 2012, 1	5.4	24
400	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\ell 2\ell$ channel in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	24
399	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P10017-P10017	1	23
398	Search for $W \rightarrow \ell b$ decays in the lepton + jets final state in pp collisions at ( $\sqrt{s} = 8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	23
397	Correlated $\bar{\nu}\nu$ pairs from the absorption of $K^0$ at rest in light nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 669, 229-234	4.2	23
396	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 707	4.2	23
395	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\tau$ leptons at ( $\sqrt{s} = 13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
394	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> , <b>2017</b> , 77, 172	4.2	22
393	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 845	4.2	22
392	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> , <b>2015</b> , 2015, 1	5.4	22
391	Neutron-proton coincidences from Non-Mesonic Weak Decay of p-shell $\bar{\Lambda}$ hypernuclei and determination of the two-nucleon induced process. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 556-561	4.2	22

390	Measurement of Bose-Einstein correlations in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	22
389	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> , <b>2017</b> , 77, 236	4.2	21
388	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> , <b>2017</b> , 77, 294	4.2	21
387	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> , <b>2015</b> , 75, 66	4.2	21
386	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> , <b>2016</b> , 2016, 1	5.4	21
385	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> , <b>2016</b> , 76, 128	4.2	21
384	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> , <b>2014</b> , 2014, 1	5.4	21
383	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> , <b>2014</b> , 74, 2758	4.2	21
382	Measurement of the ( $\bar{t}t$ ) production cross section in the $\bar{t}t$ jets channel in pp collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	21
381	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> , <b>2017</b> , 77, 578	4.2	21
380	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> , <b>2017</b> , 2017, 1	5.4	21
379	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow q(\bar{q}) \mu\mu$ in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	21
378	Inclusive b-hadron production cross section with muons in pp collisions at ( $\sqrt{s} = 7$ ; TeV). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	21
377	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	21
376	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> , <b>2016</b> , 2016, 1	5.4	21
375	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> , <b>2016</b> , 76, 379	4.2	20
374	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> , <b>2018</b> , 78, 140	4.2	20
373	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 564	4.2	20



372	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> , <b>2012</b> , 2012, 1	5.4	20
371	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> , <b>2017</b> , 2017, 1	5.4	20
370	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> , <b>2017</b> , 77, 636	4.2	20
369	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> , <b>2016</b> , 2016, 1	5.4	20
368	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> , <b>2017</b> , 77, 15	4.2	19
367	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> , <b>2015</b> , 2015, 1	5.4	19
366	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> , <b>2018</b> , 2018, 1	5.4	19
365	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> , <b>2016</b> , 76, 237	4.2	19
364	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 277	4.2	19
363	Modified POF Sensor for Gaseous Hydrogen Fluoride Monitoring in the Presence of Ionizing Radiations. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2012</b> , 61, 1201-1208	5.2	19
362	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> , <b>2017</b> , 2017, 1	5.4	19
361	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> , <b>2017</b> , 2017, 1	5.4	19
360	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> , <b>2015</b> , 2015, 1	5.4	19
359	The . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 704, 474-480	4.2	19
358	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> , <b>2011</b> , 2011, 1	5.4	19
357	Performance of long straw tubes using dimethyl ether. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1995</b> , 361, 180-191 <sup>1,2</sup>		19
356	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 965	4.2	19
355	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> , <b>2018</b> , 78, 789	4.2	19



354	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> , <b>2019</b> , 79, 364	4.2	18
353	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> , <b>2015</b> , 2015, 1	5.4	18
352	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> , <b>2016</b> , 2016, 1	5.4	18
351	. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
350	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> , <b>2017</b> , 2017, 1	5.4	18
349	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying leptons and two jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	18
348	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
347	Search for rare and forbidden 3-body di-muon decays of the charmed mesons $D^+$ and $D_s^+$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 572, 21-31	4.2	18
346	Search for ( $\overline{\mathrm{t}}\mathrm{H}$ ) production in the ( $\mathrm{H}$ to $\overline{\mathrm{b}}\mathrm{b}$ ) decay channel with leptonic ( $\overline{\mathrm{t}}$ ) decays in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	17
345	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> , <b>2018</b> , 78, 291	4.2	17
344	Measurement of the inclusive jet cross section in pp collisions at ( $\sqrt{s}=2.76$ ,text {TeV}). <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	17
343	Search for ( $\overline{\mathrm{t}}$ ) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	17
342	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 327	4.2	17
341	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> , <b>2015</b> , 2015, 1	5.4	17
340	Search for stopped long-lived particles produced in pp collisions at ( $\sqrt{s}=\text{7TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	17
339	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at ( $\sqrt{s}=7$ mathrm{TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	17
338	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> , <b>2011</b> , 2011, 1	5.4	17
337	Characterization of GEM detectors for application in the CMS muon detection system <b>2010</b> ,		17

336	Measurement of the ratio of the vector to pseudoscalar charm semileptonic decay rate $\frac{\Gamma(D \rightarrow K^* \ell^+ \ell^-)}{\Gamma(D \rightarrow K \ell^+ \ell^-)}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 598, 33-41	4.2	17
335	Study of the $\Lambda_c^+$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 610, 225-234	4.2	17
334	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s}=7$ TeV and impact on parton distribution functions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 459	4.2	16
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332	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> , <b>2016</b> , 2016, 1	5.4	16
331	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tau$ leptons in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
330	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s}=7$ TeV in final states with b-tagged jets. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2973	4.2	16
329	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	16
328	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> , <b>2015</b> , 2015, 1	5.4	16
327	DANE monitored by FINUDA. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 570, 205-215	1.2	16
326	Application of genetic programming to high energy physics event selection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 551, 504-527	1.2	16
325	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> , <b>2017</b> , 2017, 1	5.4	16
324	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> , <b>2018</b> , 2018, 1	5.4	16
323	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 751	4.2	15
322	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> , <b>2016</b> , 2016, 1	5.4	15
321	Eco-friendly gas mixtures for Resistive Plate Chambers based on tetrafluoropropene and Helium. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P08019-P08019	1	15
320	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> , <b>2014</b> , 2014, 1	5.4	15
319	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> , <b>2013</b> , 2013, 1	5.4	15

318	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> , <b>2013</b> , 73, 2404	4.2	15
317	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> , <b>2017</b> , 2017, 1	5.4	15
316	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> , <b>2014</b> , 2014, 1	5.4	15
315	A non-parametric approach to the $D^+ \rightarrow \pi^0 \ell^+ \nu_\ell$ form factors. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 633, 183-189	4.2	15
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313	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> , <b>2018</b> , 2018, 1	5.4	15
312	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> , <b>2017</b> , 77, 467	4.2	14
311	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> , <b>2016</b> , 76, 460	4.2	14
310	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> , <b>2016</b> , 2016, 1	5.4	14
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308	Measurement of the ( $\text{t} \rightarrow \text{b} \gamma$ ) production cross section in the all-jet final state in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
307	Measurement of the ( $\text{t} \rightarrow \text{b} \gamma$ ) 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> , <b>2017</b> , 2017, 1	5.4	14
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305	Measurement of the branching ratio of the decay $\text{B} \rightarrow \text{D}^* \ell^+ \nu_\ell$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 607, 51-58	4.2	14
304	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> , <b>2016</b> , 2016, 1	5.4	14
303	Measurement of the ratio of the production cross sections times branching fractions of $\text{B} \rightarrow \text{D}^* \ell^+ \nu_\ell$ and $\text{B} \rightarrow \text{D} \ell^+ \nu_\ell$ and $\frac{\sigma(\text{B} \rightarrow \text{D}^* \ell^+ \nu_\ell) \text{BR}(\text{D}^* \rightarrow \text{D} \ell^+ \nu_\ell)}{\sigma(\text{B} \rightarrow \text{D} \ell^+ \nu_\ell) \text{BR}(\text{D} \rightarrow \text{D} \ell^+ \nu_\ell)}$ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
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300	Measurement of exclusive $\pi^0$ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 702	4.2	13
299	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> , <b>2019</b> , 79, 313	4.2	13
298	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2901	4.2	13
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291	Search for a strongly decaying neutral charmed pentaquark. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 622, 229-238	4.2	13
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288	Search for ( $t\bar{t}H$ ) production in the all-jet final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
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283	Study of gas purifiers for the CMS RPC detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2012</b> , 661, S241-S244	1.2	12

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280	Search for quark compositeness in dijet angular distributions from pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	12
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272	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> , <b>2017</b> , 2017, 1	5.4	11
271	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 287	4.2	11
270	Phenomenological MSSM interpretation of CMS searches in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	11
269	Measurement of jet multiplicity distributions in [Formula: see text] production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3014	4.2	11
268	Hypernuclear weak decay studies with FINUDA. <i>Nuclear Physics A</i> , <b>2012</b> , 881, 322-338	1.3	11
267	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> , <b>2017</b> , 2017, 1	5.4	11
266	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> , <b>2017</b> , 2017, 1	5.4	11
265	Search for new physics with dijet angular distributions in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11



264	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> , <b>2015</b> , 2015, 1	5-4	11
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261	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> , <b>2012</b> , 2012, 1	5-4	11
260	Measurements of $B \rightarrow \mu^+ \mu^-$ branching ratios. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 571, 139-147	4-2	11
259	Analysis of the semileptonic decay $D^0 \rightarrow K^+ \mu^- \bar{\nu}_\mu$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 607, 67-77	4-2	11
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257	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P02027-P02027	1	11
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254	A multi-dimensional search for new heavy resonances decaying to boosted $\ell^+ \ell^-$ or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 237	4-2	10
253	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at ( $\sqrt{s}=8$ ) TeV using $H \rightarrow WW$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	10
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251	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> , <b>2013</b> , 2013, 1	5-4	10
250	Search for physics beyond the standard model in events with leptons, jets, and large transverse momentum imbalance in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2493	4-2	10
249	Measurements of jet charge with dijet events in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	10
248	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> , <b>2017</b> , 2017, 1	5-4	10
247	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> , <b>2017</b> , 2017, 1	5-4	10



246	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> , <b>2012</b> , 2012, 1	5.4	10
245	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> , <b>2011</b> , 2011, 1	5.4	10
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237	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> , <b>2016</b> , 2016, 1	5.4	9
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235	Upgrade of the CMS muon system with triple-GEM detectors. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C10036-C10036		
234	Search for associated production of dark matter with a Higgs boson decaying to ( $\overline{b}b$ ) or $t\bar{t}$ at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
233	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> , <b>2017</b> , 2017, 1	5.4	9
232	Measurement of electroweak-induced production of $W$ 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> , <b>2017</b> , 2017, 1	5.4	9
231	The ERWELL detector. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C06027-C06027	1	9
230	$\beta$ emission rates in $K$ absorptions at rest on $Li^6, Li^7, Be^9, C^{13}$ , and $O^{16}$ . <i>Physical Review C</i> , <b>2015</b> , 92,	2.7	9
229	CMS Resistive Plate Chamber overview, from the present system to the upgrade phase I. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, P04005-P04005	1	9

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225	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 697	4.2 9
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223	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> , <b>2016</b> , 2016, 1	5.4 8
222	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> , <b>2019</b> , 2019, 1	5.4 8
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220	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> , <b>2017</b> , 77, 354	4.2 8
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209	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> , <b>2017</b> , 77, 92	4-2	7
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205	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> , <b>2020</b> , 2020, 1	5-4	7
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166	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 886	4.2	6
165	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> , <b>2018</b> , 2018, 1	5.4	6
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149	Studies of correlations between D and $\bar{D}$ mesons in high energy photoproduction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 566, 51-60	4.2	5
148	Study of hadronic five-body decays of charmed mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 561, 225-232	4.2	5
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130	High rate, fast timing Glass RPC for the high [CMS muon detectors. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, C09006-C09006	1	4
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128	Search for high-mass Z resonances in e+e- and [+-] final states in proton-proton collisions at ( sqrt{s}=8 ) and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
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118	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> , <b>2016</b> , 2016, 1	5-4	4
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111	A study of film and foil materials for the GEM detector proposed for the CMS muon system upgrade. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C04022-C04022	1	3
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89	Gas Electron Multiplier foil holes: a study of mechanical and deformation effects. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P08002-P08002	1	3
88	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> , <b>2021</b> , 81, 723	4.2	3
87	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 305	4.2	2
86	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> , <b>2018</b> , 2018, 1	5.4	2
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78	Resistive plate chambers for 2013-2014 muon upgrade in CMS at LHC. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C10033-C10033	1	2
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65	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> , <b>2020</b> , 80, 752	4.2	2
64	. <i>IEEE Transactions on Nuclear Science</i> , <b>2018</b> , 65, 2808-2816	1.7	2
63	A novel application of Fiber Bragg Grating (FBG) sensors in MPGD. <i>EPJ Web of Conferences</i> , <b>2018</b> , 174, 03002	0.3	2
62	Search for supersymmetry in events with a photon, jets, $\gamma$ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 444	4.2	1
61	RPC upgrade project for CMS Phase II. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, C05072-C05072	1	1
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39	Characterization of the water diffusion in GEM foil material. <i>EPJ Web of Conferences</i> , <b>2018</b> , 174, 03005	0.3	1
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36	The Triple GEM Detector Control System for CMS forward muon spectrometer upgrade. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P02003-P02003	1	0
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31	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , <b>2022</b> , 82, 153	4.2	0



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8	The $A(K\text{stop})A?$ reaction, a tool to observe $[(\overline{K})\text{NNN}]$ clusters <b>2007</b> , 217-220	
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