# Metin Yalvac

### List of Publications by Citations

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#	Paper	IF	Citations
463	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
462	Study of high-p T charged particle suppression in PbPb compared to pp collisions at (sqrt{s_{mathrm{NN}}}=2.76~mathrm{TeV}). European Physical Journal C, <b>2012</b> , 72, 1	4.2	316
461	Observation of a new boson with mass near 125 GeV in pp collisions at (sqrt{s}=7) and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1	5.4	261
460	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
459	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
458	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
457	Suppression of non-prompt J/prompt J/pand (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
456	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
455	Search for top-squark pair production in the single-lepton final state in pp collisions at (sqrt{s}=8 mathrm{TeV}). European Physical Journal C, <b>2013</b> , 73, 1	4.2	162
454	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at (sqrt{s_{NN}}= 2.76 mbox{TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	158
453	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
452	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
451	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
450	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
449	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at (sqrt $\{s\}$ = 0.9, 2.76,mbox $\{$ and $\}$ 7~mbox $\{$ TeV $\}$ ). European Physical Journal C, <b>2012</b> , 72, 1	4.2	133
448	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
447	A search for a doubly-charged Higgs boson in pp collisions at ( $sqrt{s} = 7 mbox{TeV}$ ). European Physical Journal C, <b>2012</b> , 72, 1	4.2	111

# (2015-2013)

446	Measurement of differential top-quark-pair production cross sections in pp collisions at (sqrt{s} = 7 mathrm{TeV}). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	102	
445	Evidence for the 125 GeV Higgs boson decaying to a pair of 🏻 eptons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	101	
444	Search for a light charged Higgs boson in top quark decays in pp collisions at (sqrt {s} = 7;TeV). Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	101	
443	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. European Physical Journal C, <b>2015</b> , 75, 542	4.2	98	
442	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	
441	Search for supersymmetry in hadronic final states using M T2 in pp collisions at (sqrt{s}=7) TeV. Journal of High Energy Physics, 2012, 2012, 1	5.4	92	
440	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at (sqrt {{{s_{knN}}}}} = 2.76 ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	87	
439	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	
438	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	
437	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	
436	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	
435	Searches for invisible decays of the Higgs boson in pp collisions at (sqrt{s}) = 7, 8, and 13 TeV. Journal of High Energy Physics, <b>2017</b> , 2017, 1	5.4	74	
434	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	
433	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	
432	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text]5.02[Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2847	4.2	71	
431	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	
430	Measurement of the single-top-quark t-channel cross section in pp collisions at (sqrt{s}=7) TeV. Journal of High Energy Physics, 2012, 2012, 1	5.4	70	
429	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	

428	J/land (PS) production in pp collisions at ( sqrt {s} = 7{text{Tev}} ). Journal of High Energy Physics, 2012, 1	5.4	69
427	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $(sqrt\{s_{mathrm{NN}}\} = 5.02)$ (,text {TeV}). European Physical Journal C, <b>2014</b> , 74, 1	4.2	67
426	Search for anomalous production of multilepton events in pp collisions at (sqrt $\{s\}$ = 7,TeV). Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	65
425	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
424	Measurement of the (mathrm $\{t\}$ ) verline $\{mathrm\{t\}\}$ ) production cross section in the dilepton channel in pp collisions at (sqrt $\{s\}$ =7) TeV. Journal of High Energy Physics, 2012, 2012, 1	5.4	64
423	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
422	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
421	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
420	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
419	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at (sqrt{{{s_{NN }}}} ) =2.76 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	60
418	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
417	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
416	Search for anomalous (toverline 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
415	Study of exclusive two-photon production of W+WIIn 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
414	Measurement of the W+WI $\pm$ ross section in pp collisions at (sqrt{s} = 7mbox{ TeV}) and limits on anomalous WWI $\pm$ nd WWZ couplings. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	56
413	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
412	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
411	Search for ( {text{B}}_{text{s}}^0 ) -∄ □ and B0 -∄ □ decays. Journal of High Energy Physics, 2012, 1	5.4	52

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410	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 147	4.2	50
409	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 mathrm{TeV}) and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1	4.2	50
408	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> , <b>2018</b> , 2018, 1	5.4	50
407	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
406	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. Journal of High Energy Physics, <b>2014</b> , 2014, 1	5.4	48
405	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
404	Measurement of the relative prompt production rate of and in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2251	4.2	46
403	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> , <b>2018</b> , 2018, 1	5.4	45
402	Exclusive $\square - \square$ Improduction in proton-proton collisions at (sqrt {s} = {7}) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	45
401	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
400	Search for exclusive or semi-exclusive production and observation of exclusive and semi-exclusive e+eproduction in pp collisions at (sqrt{s}=7) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	45
399	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2283	4.2	45
398	Measurement of the X(3872) production cross section via decays to J/I In pp collisions at (sqrt{s}=7) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	44
397	Search for heavy bottom-like quarks in 4.9 fb $\blacksquare$ of pp collisions at (sqrt {s} = 7) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	44
396	Measurement of the (toverline $\{t\}$ ) 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
395	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
394	Search for leptonic decays of W? bosons in pp collisions at ( sqrt $\{s\} = \{7\}$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	43
393	Event activity dependence of (Y)(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

392	Search for additional neutral MSSM Higgs bosons in the III in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	42
391	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeVand determination of the strong coupling constant in the TeVange. <i>European Physical Journal C</i> , <b>2015</b> , 75, 186	4.2	41
390	Measurement of prompt J/ $\bar{p}$ air production in pp collisions at (sqrt{s}) = 7 Tev. Journal of High Energy Physics, <b>2014</b> , 2014, 1	5.4	41
389	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
388	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
387	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
386	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
385	Study of the underlying event at forward rapidity in pp collisions at ( sqrt{s}=0.9,2.76,;mathrm{and};7;mathrm{TeV}). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	39
384	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
383	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> , <b>2018</b> , 2018, 1	5.4	39
382	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
381	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
380	Measurement of the [Formula: see text] cross section in pp collisions at [Formula: see text] TeVand limits on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2016</b> , 76, 401	4.2	38
379	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
378	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
377	Measurement of associated W + charm production in pp collisions at ( $sqrt{s}$ ) = 7 TeV. Journal of High Energy Physics, <b>2014</b> , 2014, 1	5.4	37
376	Jet production rates in association with W and Z bosons in pp collisions at (sqrt $\{s\} = 7 \{\text{text}\{\text{TeV}\}\}$ ). Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	37
375	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

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374	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	
373	Measurement of pseudorapidity distributions of charged particles in proton $\beta$ roton 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	
372	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	
371	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	
370	Measurement of the top-quark mass in (mathrm $\{t\}$ ) overline $\{mathrm\{t\}\}$ ) events with dilepton final states in pp collisions at (sqrt $\{s\}=7$ mbox $\{TeV\}$ ). European Physical Journal C, <b>2012</b> , 72, 1	4.2	36	
369	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	
368	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	
367	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	
366	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	
365	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	
364	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	
363	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	
362	Search for microscopic black holes in pp collisions at ( sqrt $\{s\} = \{\text{text}\{7\text{TeV}\}\}\)$ ). Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	34	
361	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	
360	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	
359	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	
358	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> , <b>2015</b> , 2015, 1-37	5.4	33	
357	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	

356	Measurement of the Drell-Yan cross section in pp collisions at (sqrt $\{s\} = 7$ ) TeV. Journal of High Energy Physics, <b>2011</b> , 2011, 1	5.4	32
355	Measurement of the (mathrm{t}overline{mathrm{t}}) production cross section in the elthannel 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
354	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
353	Inclusive b-jet production in pp collisions at (sqrt {s} = 7TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	30
352	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
351	Measurement of the top-quark mass in ( mathrm{t}overline{mathrm{t}}) events with lepton+jets final states in pp collisions at ( sqrt{s}=7 ) TeV. Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	30
350	Measurement of the underlying event in the Drell $\mathbb{F}$ an process in proton $\mathbb{F}$ roton collisions at (sqrt{s} = 7~mbox{TeV}). European Physical Journal C, <b>2012</b> , 72, 1	4.2	30
349	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
348	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or $\blacksquare$ b-quark jets in 7 TeV pp collisions using the variable $\blacksquare$ T. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	29
347	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
346	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3060	4.2	29
345	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> , <b>2018</b> , 2018, 1	5.4	29
344	Search for heavy Majorana neutrinos in e $\exists$ e $\exists$ + jets and e $\exists$ $\exists$ + 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
343	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
342	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
341	Evidence for exclusive 日本 + 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
340	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
339	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

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338	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
337	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
336	Measurement of the W-boson helicity in top-quark decays from (mathrm{t}overline{mathrm{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
335	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
334	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
333	Search for resonant (mathrm{t}overline{mathrm{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
332	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
331	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
330	Search for charged Higgs bosons in the H⊞ -暑⊞ecay channel in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	24
329	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
328	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
327	Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. European Physical Journal C, <b>2016</b> , 76, 372	4.2	24
326	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
325	Measurement of the $Z/B + b$ -jet cross section in pp collisions at (sqrt $\{s\} = 7$ ) TeV. Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	24
324	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
323	Search for the standard model Higgs boson in the H $-\mathbb{Z}Z$ $-\mathbb{Z}\square$ thannel in pp collisions at (sqrt {text{s}} = {7};{text{TeV}}). Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	24
322	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> , <b>2018</b> , 2018, 1	5.4	24
321	Performance of the CMS Level-1 trigger in proton-proton collisions at ☐ = 13 TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P10017-P10017	1	23

320	Search for W? - $\pm$ 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
319	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
318	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying [leptons at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
317	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
316	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> , <b>2018</b> , 2018, 1	5.4	22
315	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
314	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
313	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]. European Physical Journal C, 2017, 77, 236	4.2	21
312	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
311	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
310	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
309	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
308	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
307	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
306	Measurement of the (mathrm $\{t\}$ bar $\{mathrm\{t\}\}$ ) production cross section in the $\exists$ jets channel in pp collisions at (sqrt $\{s\}=7$ mbox $\{TeV\}$ ). European Physical Journal C, <b>2013</b> , 73, 1	4.2	21
305	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
304	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
303	Search for a Higgs boson in the decay channel H $- \frac{1}{2} \mathbb{Z}(*) - \frac{1}{2} \mathbb{Q}(*) = \mathbb{Z}(*) + \mathbb{Z}(*) + \mathbb{Z}(*) = \mathbb{Z}(*) + \mathbb{Z}(*) = \mathbb{Z}(*) + \mathbb{Z}(*) = \mathbb{Z}(*) + \mathbb{Z}(*) + \mathbb{Z}(*) = \mathbb{Z}(*) + \mathbb{Z}(*) = \mathbb{Z}(*) + \mathbb{Z}(*) + \mathbb{Z}(*) = \mathbb{Z}(*) + \mathbb{Z}(*) + \mathbb{Z}(*) + \mathbb{Z}(*) = \mathbb{Z}(*) + \mathbb{Z}(*) + \mathbb{Z}(*) + \mathbb{Z}(*) + \mathbb{Z}(*) = \mathbb{Z}(*) + \mathbb{Z}(*) $	5.4	21

302	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
301	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> , <b>2019</b> , 2019, 1	5.4	21
300	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	20
299	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
298	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
297	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
296	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
295	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
294	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
293	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
292	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> , <b>2018</b> , 2018, 1	5.4	20
291	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> , <b>2018</b> , 2018, 1	5.4	20
290	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
289	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
288	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> , <b>2018</b> , 2018, 1	5.4	19
287	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
286	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 277	4.2	19
285	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

284	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
283	Search for third-generation scalar leptoquarks in the tthannel in proton-proton collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	19
282	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
281	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
280	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> , <b>2018</b> , 2018, 1	5.4	19
279	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
278	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
277	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
276	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two [leptons and two jets in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	18
275	. Journal of High Energy Physics, <b>2014</b> , 2014, 1	5.4	18
<sup>275</sup>	. Journal of High Energy Physics, 2014, 2014, 1  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. Journal of High Energy Physics, 2017, 2017, 1	5·4 5·4	18
	Search for direct production of supersymmetric partners of the top quark in the all-jets final state	, , <u> </u>	
274	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  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</i>	5.4	18
<sup>274</sup> <sup>273</sup>	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  Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying lleptons and two jets in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1  Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High</i>	5.4	18
274 273 272	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  Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying lleptons and two jets in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1  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  Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at (sqrt{s})	5.4 5.4 5.4	18 18
274 273 272 271	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  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  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  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> , <b>2020</b> , 2020, 1  Measurement of the cross section for top quark pair production in association with a W or Z boson	5.4 5.4 5.4	18 18 18
274 273 272 271 270	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  Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying lleptons and two jets in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1  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  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> , <b>2020</b> , 2020, 1  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> , <b>2018</b> , 2018, 1  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}}	5.4 5.4 5.4 5.4	18 18 18 18

266	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
265	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
264	Search for stopped long-lived particles produced in pp collisions at (sqrt $\{s\} = \{\text{text}\{7\text{TeV}\}\}$ ). Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	17
263	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in protonproton collisions at (sqrt{s} = 7 mathrm{TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	17
262	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> , <b>2017</b> , 77, 459	4.2	16
261	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> , <b>2020</b> , 80, 3	4.2	16
260	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
259	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into 🛮 eptons in pp collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
258	Measurement of WZ and ZZ production in pp collisions at [Formula: see text] in final states with b-tagged jets. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2973	4.2	16
257	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
256	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
255	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> , <b>2020</b> , 2020, 1	5.4	16
254	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
253	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> , <b>2018</b> , 2018, 1	5.4	16
252	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
251	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> , <b>2019</b> , 2019, 1	5.4	15
250	Measurements of the associated production of a Z boson and b jets in pp collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 751	4.2	15
249	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

248	Search for new particles decaying to a jet and an emerging jet. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	15
247	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
246	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
245	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
244	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
243	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
242	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
241	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> , <b>2019</b> , 2019, 1	5.4	14
240	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
239	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
238	Measurement of the ( Lambda_{mathrm{b}}^0 ) lifetime in pp collisions at ( sqrt{s}=7 ) TeV. Journal of High Energy Physics, 2013, 2013, 1	5.4	14
237	Measurement of the (mathrm $\{t\}$ overline $\{mathrm\{t\}\}$ ) production cross section in the all-jet final state in pp collisions at (sqrt $\{s\}$ =7) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
236	Measurement of the (mathrm $\{t\}$ overline $\{mathrm\{t\}\}$ ) production cross section using events with one lepton and at least one jet in pp collisions at (sqrt $\{s\}$ =13) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	14
235	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
234	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	14
233	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> , <b>2018</b> , 2018, 1	5.4	14
232	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> , <b>2018</b> , 2018, 1	5.4	14
231	Search for supersymmetry in events with a [lepton pair and missing transverse momentum in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14

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230	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> , <b>2018</b> , 2018, 1	5.4	14	
229	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> , <b>2019</b> , 2019, 1	5.4	13	
228	Measurement of the ratio of the production cross sections times branching fractions of B $\exists$ c - $\exists$ / $\Box$ $\exists$ and B $\exists$ - $\exists$ / $\Box$ $\exists$ and (mathrm{mathcal{B}}left({mathrm{B}}_{mathrm{c}}^{p})^{pm}to mathrm{J}/psi {pi}^{pm}{pm}{pi}^{mathrm{mathcal{B}}}left({mathrm{B}}_{mathrm{c}}^{pm}to mathrm{c}}^{pm}to = (a) + (b) +	5.4	13	
227	mathrm{J}/psi {pi}^{pm}right) ) in pp collisions at ( sqrt{s}=7 ) TeV. Journal of High Energy Physics, Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at ( sqrt{s}=8 ) TeV. Journal of High Energy Physics, 2018, 2018, 1	5.4	13	
226	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 325	4.2	13	
225	Measurement of exclusive Iphotoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 702	4.2	13	
224	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	
223	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	
222	Search for a fermiophobic Higgs boson in pp collisions at (sqrt $\{s\} = 7$ ) TeV. Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	13	
221	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at ( sqrt $\{s\} = 7$ ) TeV. Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	13	
220	Measurement of the mass difference between top and antitop quarks. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13	
219	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 strength, top quark pole mass, and parton distribution functions. <i>European Physical</i>	4.2	13	
218	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> , <b>2020</b> , 2020, 1	5.4	13	
217	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> , <b>2016</b> , 2016, 1	5.4	13	
216	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. Journal of High Energy Physics, 2018, 2018, 1	5.4	13	
215	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 891	4.2	13	
214	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> , <b>2019</b> , 79, 280	4.2	12	
213	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	12	

212	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> , <b>2018</b> , 2018, 1	5.4	12
211	Measurement of the production cross section for ( mathrm{Z}gamma to nu overline{nu}gamma ) in pp collisions at ( sqrt{s} = 7 ) TeV and limits on ZZ $\Box$ and Z $\Box$ triple gauge boson couplings. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	12
210	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at (sqrt{s}=7) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	12
209	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
208	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
207	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at (sqrt{s}=7;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	12
206	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> , <b>2018</b> , 2018, 1	5.4	12
205	Studies of and mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 939	4.2	12
204	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
203	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
202	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
201	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> , <b>2020</b> , 2020, 1	5.4	11
200	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
199	Phenomenological MSSM interpretation of CMS searches in pp collisions at (sqrt{s}=7) and 8 TeV. Journal of High Energy Physics, <b>2016</b> , 2016, 1	5.4	11
198	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
197	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
196	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
195	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

194	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
193	Measurement of the underlying event activity in pp collisions at (sqrt $\{s\}$ = 0.9) and 7 TeV with the novel jet-area/median approach. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
192	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at (sqrt{s}= 7) TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
191	Search for the standard model Higgs boson in the H $- \mathbb{Z}\mathbb{Z} - \mathbb{H}$ decay channel in pp collisions at (sqrt {s} = {7};{text{TeV}}). Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	11
190	Measurements of differential Z boson production cross sections in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	11
189	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at ■ = 13 TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P02027-P02027	1	11
188	Charged-particle nuclear modification factors in XeXe collisions at (sqrt{s_{mathrm{NN}}} = 5.44) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	11
187	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> , <b>2018</b> , 2018, 1	5.4	11
186	Search for the decay of a Higgs boson in the Lehannel in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	11
185	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> , <b>2018</b> , 2018, 1	5.4	11
184	Measurements of the pp -¾WZ 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> , <b>2019</b> , 2019, 1	5.4	10
183	Search for new neutral Higgs bosons through the ( mathrm{H}to mathrm{ZA}to $\{ell\}^{+}\{ell\}^{-}$ mathrm{b}overline{mathrm{b}}) process in pp collisions at ( sqrt{s}) = 13 TeV. Journal of High Energy Physics, <b>2020</b> , 2020, 1	5.4	10
182	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> , <b>2020</b> , 80, 237	4.2	10
181	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> , <b>2017</b> , 2017, 1	5.4	10
180	Search for excited leptons in proton-proton collisions at ( sqrt{s}=8 ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
179	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
178	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, 249	3 <sup>4.2</sup>	10
177	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

176	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
175	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
174	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
173	Measurement of properties of ( {mathrm{B}}_{mathrm{s}}^0 )-湿decays and search for B0-湿口 with the CMS experiment. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	10
172	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> , <b>2016</b> , 2016, 1	5.4	10
171	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> , <b>2018</b> , 2018, 1	5.4	10
170	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> , <b>2018</b> , 1	5.4	10
169	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> , <b>2019</b> , 2019, 1	5.4	9
168	A search for the standard model Higgs boson decaying to charm quarks. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	9
167	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
166	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at (sqrt{s}=7) TeV. Journal of High Energy Physics, <b>2016</b> , 2016, 1	5.4	9
165	Measurement of b hadron lifetimes in pp collisions at. European Physical Journal C, 2018, 78, 457	4.2	9
164	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> , <b>2019</b> , 2019, 1	5.4	9
163	Search for associated production of dark matter with a Higgs boson decaying to (mathrm{b}overline{mathrm{b}}) or [at (sqrt{s}=13) TeV. Journal of High Energy Physics, 2017, 2017, 1	5.4	9
162	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
161	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> , <b>2017</b> , 2017, 1	5.4	9
160	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> , <b>2019</b> , 2019, 1	5.4	9
159	Search for a light pseudoscalar Higgs boson in the boosted If in al state in proton-proton collisions at (sqrt $\{s\}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	9

158	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> , <b>2016</b> , 76, 317	4.2	9
157	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> , <b>2018</b> , 2018, 1	5.4	9
156	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
155	Search for a singly produced third-generation scalar leptoquark decaying to a [lepton and a bottom quark in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
154	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> , <b>2019</b> , 2019, 1	5.4	8
153	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> , <b>2019</b> , 2019, 1	5.4	8
152	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> , <b>2019</b> , 2019, 1	5.4	8
151	Measurement of top quark pair production in association with a Z 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	8
150	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> , <b>2018</b> , 2018, 1	5.4	8
149	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
148	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
147	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
146	Measurement of the top quark mass using single top quark events in proton-proton collisions at [Formula: see text] TeV. European Physical Journal C, 2017, 77, 354	4.2	8
145	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> , <b>2017</b> , 77, 746	4.2	8
144	Search for electroweak production of a vector-like T quark using fully hadronic final states. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
143	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> , <b>2020</b> , 2020, 1	5.4	8
142	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> , <b>2018</b> , 2018, 1	5.4	8
141	Search for electroweak production of charginos in final states with two [leptons in pp collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7

140	Measurement of the production cross section of a Wiboson 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
139	Measurement of the energy density as a function of pseudorapidity in protonproton collisions at (sqrt{s} =13,text {TeV}). European Physical Journal C, <b>2019</b> , 79, 1	4.2	7
138	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at = 13. European Physical Journal C, <b>2019</b> , 79, 94	4.2	7
137	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> , <b>2019</b> , 2019, 1	5.4	7
136	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> , <b>2019</b> , 2019, 1	5.4	7
135	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> , <b>2020</b> , 2020, 1	5.4	7
134	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
133	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> , <b>2016</b> , 2016, 1	5.4	7
132	Measurement of top quark polarisation in t-channel single top quark production. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7
131	Jet properties in PbPb and pp collisions at (sqrt{s_{mathrm{N};mathrm{N}}}=5.02) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
130	Measurement of the semileptonic ( mathrm{t}overline{mathrm{t}}) + $\Phi$ roduction cross section in pp collisions at ( sqrt{s}=8 ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
129	Searches for W? bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
128	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> , <b>2017</b> , 2017, 1	5.4	7
127	Measurement of the Zlproduction cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	7
126	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> , <b>2019</b> , 2019, 1	5.4	7
125	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> , <b>2016</b> , 2016, 1	5.4	7
124	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 13	4.2	7
123	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> , <b>2018</b> , 2018, 1	5.4	7

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122	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> , <b>2018</b> , 2018, 1	5.4	7
121	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> , <b>2018</b> , 2018, 1	5.4	7
120	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> , <b>2018</b> , 2018, 1	5.4	7
119	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> , <b>2018</b> , 2018, 1	5.4	7
118	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 800	4.2	7
117	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> , <b>2019</b> , 79, 90	4.2	6
116	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> , <b>2015</b> , 2015, 1	5.4	6
115	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , <b>2020</b> , 80, 534	4.2	6
114	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 43	4.2	6
113	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\Box$ and $\ominus$ n proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	6
112	Measurement of dijet azimuthal decorrelation in pplcollisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 536	4.2	6
111	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, <b>2019</b> , 79, 1	4.2	6
110	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at (sqrt{s}=7)TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	6
109	Search for the associated production of the Higgs boson with a top-quark pair <b>2014</b> , 2014, 1		6
108	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	6
107	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> , <b>2019</b> , 2019, 1	5.4	6
106	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> , <b>2019</b> , 79, 893	4.2	6
105	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

104	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
103	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> , <b>2018</b> , 2018, 1	5.4	6
102	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> , <b>2018</b> , 2018, 1	5.4	6
101	Measurement of the mass of the top quark in decays with a J/Imeson in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5
100	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> , <b>2019</b> , 2019, 1	5.4	5
99	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> , <b>2017</b> , 2017, 1	5.4	5
98	Comparison of the $Z/\mathbb{F}$ + jets to $\mathbb{F}$ jets cross sections in pp collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	5
97	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> , <b>2020</b> , 2020, 1	5.4	5
96	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 200	4.2	5
95	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> , <b>2021</b> , 81, 378	4.2	5
94	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> , <b>2021</b> , 81, 488	4.2	5
93	Search for resonances decaying to a pair of Higgs bosons in the b(overline{mathrm{b}})q(overline{mathrm{q}}) If inal state in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
92	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 3	4.2	5
91	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> , <b>2018</b> , 2018, 1	5.4	5
90	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> , <b>2018</b> , 2018, 1	5.4	5
89	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , <b>2018</b> , 78, 708	4.2	5
88	Search for a low-mass # resonance in association with a bottom quark in proton-proton collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
87	Search for the pair production of light top squarks in the e⊞I final state in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4

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86	Search for nonresonant Higgs boson pair production in the ( mathrm{b}overline{mathrm{b}}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	
85	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 123	4.2	4	
84	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 20	4.2	4	
83	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 302	4.2	4	
82	Evidence for (text $\{W\}$ text $\{W\}$ ) production from double-parton interactions in proton collisions at (sqrt $\{s\}$ = 13 ,text $\{TeV\}$ ). European Physical Journal C, <b>2020</b> , 80, 1	4.2	4	
81	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 242	4.2	4	
80	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> , <b>2018</b> , 2018, 1	5.4	4	
79	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> , <b>2018</b> , 2018, 1	5.4	4	
78	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> , <b>2019</b> , 2019, 1	5.4	4	
77	Search for a heavy resonance decaying to a top quark and a vector-like top quark at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4	
76	Search for high-mass ZD esonances in e+eD and D I I I I I I I I I I I I I I I I I I	5.4	4	
75	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> , <b>2017</b> , 2017, 1	5.4	4	
74	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> , <b>2020</b> , 80, 370	4.2	4	
73	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	
72	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at (sqrt{s}= 13~hbox {TeV}). <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	4	
71	MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 629	4.2	4	
70	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> , <b>2019</b> , 2019, 1	5.4	3	
69	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 189	4.2	3	

68	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> , <b>2020</b> , 2020, 1	5.4	3
67	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> , <b>2018</b> , 2018, 1	5.4	3
66	Search for ZZ resonances in the 2DIfinal state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3
65	Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3
64	Search for top quark partners with charge 5/3 in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3
63	Study of hadronic event-shape variables in multijet final states in pp collisions at (sqrt{s} = 7) TeV. Journal of High Energy Physics, <b>2014</b> , 2014, 1	5.4	3
62	Measurement of the cross section for production of (boverline b X) decaying to muons in pp collisions at (sqrt $\{s\} = 7$ ) TeV. Journal of High Energy Physics, <b>2012</b> , 2012, 1	5.4	3
61	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 (sqrt{s} = 13,text {TeV}) <b>2018</b> , 78, 1		3
60	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 970	4.2	3
59	Measurement of the (toverline $\{t\}$ ) production cross section in the dilepton channel in pp collisions at (sqrt $\{s\}$ ) = 8 TeV <b>2014</b> , 2014, 1		3
58	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> , <b>2020</b> , 2020, 1	5.4	3
57	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> , <b>2020</b> , 2020, 1	5.4	3
56	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , <b>2020</b> , 4, 10	6	3
55	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> , <b>2021</b> , 2021, 1	5.4	3
54	Event shape variables measured using multijet 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	3
53	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> , <b>2018</b> , 2018, 1	5.4	3
52	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
51	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

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50	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> , <b>2019</b> , 2019, 1	5.4	2
49	Search for decays of the 125 GeV Higgs boson into a Z boson and a lbr? meson. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
48	Determination of the strong coupling constant <code>\BS(mZ)</code> from measurements of inclusive W\\ and Z boson production cross sections in proton-proton collisions at ( sqrt{mathrm{s}} ) = 7 and 8 TeV. Journal of High Energy Physics, <b>2020</b> , 2020, 1	5.4	2
47	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
46	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> , <b>2018</b> , 2018, 1	5.4	2
45	Search for dark matter particles in proton-proton collisions at (sqrt{s}=8) TeV using the razor variables. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	2
44	Search for W? -*b in proton-proton collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	2
43	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	2
42	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> , <b>2019</b> , 2019, 1	5.4	2
41	Search for excited leptons in Ifinal states in proton-proton collisions at (sqrt{mathrm{s}}=13) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
40	Measurements of the pp -≯Vland pp -∠Zlaross sections and limits on anomalous quartic gauge couplings at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	2
39	Search for new phenomena with multiple charged leptons in protonproton collisions at (sqrt{s}= 13) (,text {TeV}). European Physical Journal C, <b>2017</b> , 77, 1	4.2	2
38	Search for new physics in events with same-sign dileptons and b jets in pp collisions at ( $sqrt{s}=8$ ) TeV <b>2013</b> , 2013, 1		2
37	Search for supersymmetry using Higgs boson to diphoton decays at (sqrt $\{s\}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
36	Bose-Einstein correlations of charged hadrons in proton-proton collisions at (sqrt $\{s\}$ ) = 13 TeV. Journal of High Energy Physics, <b>2020</b> , 2020, 1	5.4	2
35	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 718	4.2	2
34	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
33	Angular analysis of the decay B+ -米*(892)+⊞□n proton-proton collisions at (sqrt{mathrm{s}}) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2

32	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> , <b>2019</b> , 2019, 1	5.4	2
31	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> , <b>2019</b> , 79, 444	4.2	1
30	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at ( $sqrt\{s\}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
29	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> , <b>2020</b> , 2020, 1	5.4	1
28	Measurement of b hadron lifetimes in pp collisions at ( $sqrt{s} = 8$ ) (, $text{Te}text{V}$ ) <b>2018</b> , 78, 1		1
27	Study of the ( ${\text{mathrm}}_{B}^{+}$ to mathrm ${\text{J}}$ /uppsi overline ${\text{Lambda}}$ mathrm ${\text{p}}$ ) decay in proton-proton collisions at ( ${\text{sqrt}}_{S}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
26	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> , <b>2020</b> , 2020, 1	5.4	1
25	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. Journal of High Energy Physics, <b>2020</b> , 2020, 1	5.4	1
24	Development and validation of HERWIG tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , <b>2021</b> , 81, 312	4.2	1
23	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 969	4.2	1
22	Search for the lepton flavor violating decay [□-3] in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
21	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> , <b>2022</b> , 2022, 1	5.4	1
20	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> , <b>2019</b> , 79, 773	4.2	0
19	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1164	4.2	O
18	Measurement of the top quark pair production cross section in dilepton final states containing one $\square$ epton in pp collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	0
17	Search for a heavy vector resonance decaying to a Loson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 688	4.2	O
16	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 852	4.2	О
15	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> , <b>2022</b> , 2022, 1	5.4	O

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14	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	
13	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> , <b>2022</b> , 82, 290	4.2	O	
12	Measurement of the inclusive and differential t\$\$ overline $\{t\}$ \$\$ $\mathbb{L}$ ross sections in the single-lepton channel and EFT interpretation at \$\$ sqrt $\{s\}$ \$\$ = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0	
11	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> , <b>2022</b> , 2022, 1	5.4	O	
10	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> , <b>2022</b> , 2022, 1	5.4	0	
9	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> , <b>2022</b> , 2022, 1	5.4	O	
8	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> , <b>2022</b> , 2022, 1	5.4	O	
7	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> , <b>2022</b> , 2022, 1	5.4	O	
6	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> , <b>2018</b> , 2018, 1	5.4		
5	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at (sqrt{s}=8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4		
4	Calibration of the CMS hadron calorimeters using proton-proton collision data at □ = 13 TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P05002-P05002	1		
3	Measurements of the differential cross sections of the production of $Z + jets$ and $\Box + jets$ and of $Z + jets$ boson emission collinear with a jet in pp collisions at (sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4		
2	Study of dijet events with large rapidity separation in proton-proton collisions at \$\$ sqrt{s} \$\$ = 2.76 TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4		
1	Measurement of the inclusive $\$$ mathrm{t}overline{mathrm{t}} $\$$ production cross section in proton-proton collisions at $\$$ sqrt{s} $\$$ = 5.02 TeV. Journal of High Energy Physics, <b>2022</b> , 2022, 1	5.4		