

Aaron Dominguez

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5946611/aaron-dominguez-publications-by-citations.pdf>

Version: 2024-04-23

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

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

517
papers

16,608
citations

61
h-index

100
g-index

529
ext. papers

18,747
ext. citations

5
avg, IF

2.07
L-index

#	Paper	IF	Citations
517	Measurement of the J/ψ meson and b-hadron production cross sections in pp collisions at $\sqrt{s}=1960$ GeV. <i>Physical Review D</i> , 2005 , 71,	4.9	596
516	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. <i>European Physical Journal C</i> , 2015 , 75, 212	4.2	399
515	Study of high-p _T charged particle suppression in PbPb compared to pp collisions at ($\sqrt{s_{\text{NN}}}=2.76$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	316
514	Observation of a new boson with mass near 125 GeV in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	261
513	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 235	4.2	250
512	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
511	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014 , 74, 3076	4.2	239
510	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at ($\sqrt{s} = 0.9$) and 2.36 TeV. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	201
509	Suppression of non-prompt J/ψ and (Υ) (1S) in PbPb collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	184
508	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014 , 74, 3036	4.2	183
507	Measurement of the forward-backward charge asymmetry in top-quark pair production. <i>Physical Review Letters</i> , 2008 , 100, 142002	7.4	183
506	Evidence for a particle produced in association with weak bosons and decaying to a bottom-antibottom quark pair in higgs boson searches at the tevatron. <i>Physical Review Letters</i> , 2012 , 109, 071804	7.4	175
505	Measurements of inclusive W and Z cross sections in $\sqrt{s} = 1.96$ TeV collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, 2457-2544	2.9	174
504	Observation of single top-quark production. <i>Physical Review Letters</i> , 2009 , 103, 092001	7.4	172
503	Forward-backward asymmetry in top quark-antiquark production. <i>Physical Review D</i> , 2011 , 84,	4.9	170
502	Direct limits on the oscillation frequency. <i>Physical Review Letters</i> , 2006 , 97, 021802	7.4	165
501	Search for top-squark pair production in the single-lepton final state in pp collisions at ($\sqrt{s}=8$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	162

500	Search for dark matter and large extra dimensions in monojet events in pp collisions at (\sqrt{s}) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	155
499	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
498	Search for heavy neutrinos and [Formula: see text] bosons with right-handed couplings in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3149	4.2	149
497	Measurement of the inclusive jet cross section in pp[over] collisions at square root [s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 062001	7.4	148
496	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	144
495	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , 2014 , 74, 2980	4.2	131
494	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review D</i> , 2010 , 82,	4.9	123
493	Measurement of the inclusive W and Z production cross sections in pp collisions at (\sqrt{s}) = 7 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	121
492	Prompt and non-prompt J/ ψ production in pp collisions at (\sqrt{s}) = 7 TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	118
491	Evidence for a $B_{s^0}^0$ State. <i>Physical Review Letters</i> , 2016 , 117, 022003	7.4	110
490	Measurements of inclusive W and Z cross sections in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	104
489	Combination of the top-quark mass measurements from the Tevatron collider. <i>Physical Review D</i> , 2012 , 86,	4.9	104
488	Measurement of differential top-quark-pair production cross sections in pp collisions at (\sqrt{s}) = 7 TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	102
487	Evidence for the 125 GeV Higgs boson decaying to a pair of τ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	101
486	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010 , 70, 116541192 99		
485	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 542	4.2	98
484	First measurements of inclusive W and Z cross sections from run II of the fermilab tevatron collider. <i>Physical Review Letters</i> , 2005 , 94, 091803	7.4	97
483	Searches for long-lived charged particles in pp collisions at (\sqrt{s}) =7 and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	96

482	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review Letters</i> , 2010 , 105, 081801	4.9	89
481	Measurement of the anomalous like-sign dimuon charge asymmetry with 9 fb ⁻¹ of pp collisions. <i>Physical Review D</i> , 2011 , 84,	4.9	88
480	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ($\sqrt{s_{NN}}$) = 2.76 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	87
479	b-Jet identification in the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 620, 490-517	1.2	87
478	Measurement of the shape of the boson-transverse momentum distribution in pp \rightarrow Z/ γ * \rightarrow e ⁺ e ⁻ + X events produced at square root s = 1.96 TeV. <i>Physical Review Letters</i> , 2008 , 100, 102002	7.4	83
477	Search for supersymmetry in hadronic final states with missing transverse energy using the variables and b-quark multiplicity in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2568	4.2	82
476	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	81
475	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	77
474	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	74
473	Searches for invisible decays of the Higgs boson in pp collisions at (\sqrt{s}) = 7, 8, and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	74
472	Higgs boson studies at the Tevatron. <i>Physical Review D</i> , 2013 , 88,	4.9	73
471	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	73
470	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text]5.02[Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2847	4.2	71
469	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	70
468	Measurement of the single-top-quark t-channel cross section in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	70
467	Measurement of the underlying event activity at the LHC with (\sqrt{s}) = 7 TeV and comparison with (\sqrt{s}) = 0.9 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	70
466	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	69
465	J/ ψ and Υ (2S) production in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	69

464	Evidence for production of single top quarks. <i>Physical Review D</i> , 2008 , 78,	4.9	69
463	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at ($\sqrt{s_{\mathrm{NN}}} = 5.02$) (,text {TeV}). <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	67
462	Measurement of the W boson mass with the D0 detector. <i>Physical Review Letters</i> , 2012 , 108, 151804	7.4	67
461	Search for anomalous production of multilepton events in pp collisions at ($\sqrt{s} = 7, \text{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	65
460	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{NN}}; \mathrm{NN}} = 5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
459	Measurement of the ($\overline{\mathrm{t}}\mathrm{t}$) production cross section in the dilepton channel in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	64
458	Search for high-mass resonances in dilepton final states in proton-proton collisions at ($\sqrt{s} = 13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	63
457	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
456	Study of double parton scattering using W + 2-jet events in proton-proton collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	61
455	Search for a charged Higgs boson in pp collisions at ($\sqrt{s} = 8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	61
454	Measurement of the forward-backward charge asymmetry from $W \rightarrow e\bar{\nu}$ production in pp collisions at $s = 1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	61
453	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at ($\sqrt{s} = 8$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	59
452	Search for the X(4140) state in $B^+ \rightarrow J/\psi K^+$ decays with the D0 detector. <i>Physical Review D</i> , 2014 , 89,	4.9	59
451	Suppression and azimuthal anisotropy of prompt and nonprompt [Formula: see text] production in PbPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 252	4.2	58
450	Measurement of the shape of the boson rapidity distribution for $pp \rightarrow Z/\bar{\nu} \rightarrow e^+e^- X$ events produced at s of 1.96 TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	58
449	Search for anomalous ($\overline{\mathrm{t}}\mathrm{t}$) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	57
448	Measurement of the $W+W\bar{\nu}$ cross section in pp collisions at ($\sqrt{s} = 7 \text{mbox{ TeV}}$) and limits on anomalous $WW\bar{\nu}$ and WWZ couplings. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	56
447	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. <i>European Physical Journal C</i> , 2015 , 75, 251	4.2	55

446	Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 710	4.2	54
445	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 147	4.2	50
444	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	50
443	Search for scalar top quarks in the acoplanar charm jets and missing transverse energy final state in pp collisions at $s=1.96 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 665, 1-8	4.2	49
442	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 237	4.2	48
441	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at ($\sqrt{s} = 8 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	48
440	Measurement of the ($t\bar{t}$) production cross section and the top quark mass in the dilepton channel in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	48
439	Measurement of the electron charge asymmetry in pp $\rightarrow W+X \rightarrow e\nu+X$ events at $\sqrt{s}=1.96 \text{ TeV}$. <i>Physical Review Letters</i> , 2008 , 101, 211801	7.4	48
438	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. <i>Physical Review D</i> , 2014 , 89,	4.9	47
437	Measurement of the inclusive jet cross section in pp collisions at $s=1.96 \text{ TeV}$. <i>Physical Review D</i> , 2012 , 85,	4.9	47
436	Measurement of the muon charge asymmetry from W boson decays. <i>Physical Review D</i> , 2008 , 77,	4.9	47
435	Properties of L=1 B(1) and B(2)* mesons. <i>Physical Review Letters</i> , 2007 , 99, 172001	7.4	47
434	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at ($\sqrt{s}=13 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	46
433	Measurement of the forward-backward asymmetry in top quark-antiquark production in pp collisions using the lepton+jets channel. <i>Physical Review D</i> , 2014 , 90,	4.9	46
432	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	46
431	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at ($\sqrt{s}=13 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	45
430	Observation and studies of double J/ \bar{l} production at the Tevatron. <i>Physical Review D</i> , 2014 , 90,	4.9	45
429	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	45

428	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2283	4.2	45
427	Measurement of the top quark pair production cross section in the lepton+jets channel in proton-antiproton collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	45
426	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb^{-1} of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 81-87	4.2	45
425	Charged particle transverse momentum spectra in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	44
424	Measurement of the forward-backward charge asymmetry of electron-positron pairs in $p\bar{p}$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	44
423	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	43
422	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
421	Search for leptonic decays of W^\pm bosons in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43
420	Determination of the strong coupling constant from the inclusive jet cross section in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 80,	4.9	43
419	Precise study of the Z/γ boson transverse momentum distribution in pp collisions using a novel technique. <i>Physical Review Letters</i> , 2011 , 106, 122001	7.4	43
418	Search for large extra dimensions via single photon plus missing energy final states at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 011601	7.4	43
417	Search for production of single top quarks via t_{cg} and t_{ug} flavor-changing-neutral-current couplings. <i>Physical Review Letters</i> , 2007 , 99, 191802	7.4	43
416	Event activity dependence of (Υ)(nS) production in ($\sqrt{s_{NN}}$) = 5.02 TeV pPb and (\sqrt{s}) = 2.76 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
415	Search for $W^\pm \rightarrow tb$ resonances with left- and right-handed couplings to fermions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 145-150	4.2	42
414	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2015 , 75, 186	4.2	41
413	Measurement of prompt J/ψ pair production in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	41
412	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	41
411	Measurement of the differential cross section $d\sigma/dt$ in elastic pp scattering at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	41

410	Measurement of the inelastic proton-proton cross section at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	41
409	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	40
408	Observation of s-channel production of single top quarks at the Tevatron. <i>Physical Review Letters</i> , 2014 , 112, 231803	7-4	40
407	Model-independent measurement of t-channel single top quark production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 313-319	4-2	40
406	Precision measurement of the top quark mass in lepton + jets final States. <i>Physical Review Letters</i> , 2014 , 113, 032002	7-4	39
405	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
404	Study of the underlying event at forward rapidity in pp collisions at ($\sqrt{s}=0.9, 2.76, \text{and } 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
403	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> , 2013 , 2013, 1	5-4	39
402	Combination of CDF and D0 W-Boson mass measurements. <i>Physical Review D</i> , 2013 , 88,	4-9	39
401	Search for scalar bottom quarks and third-generation leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 95-101	4-2	39
400	Search for natural and split supersymmetry in proton-proton collisions at ($\sqrt{s}=13$) TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	39
399	Search for new physics in events with same-sign dileptons and jets in pp collisions at ($\sqrt{s} = 8$ TeV). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	38
398	Search for microscopic black holes in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	38
397	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	38
396	Measurement of the semileptonic charge asymmetry in B0 meson mixing with the D0 detector. <i>Physical Review D</i> , 2012 , 86,	4-9	38
395	Measurement of differential . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 669, 278-286	4-2	38
394	Measurement of the [Formula: see text] cross section in pp collisions at [Formula: see text] TeV and limits on anomalous gauge couplings. <i>European Physical Journal C</i> , 2016 , 76, 401	4-2	38
393	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 288	4-2	37

392	Measurement of the differential cross section and charge asymmetry for inclusive [Formula: see text] production at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 469	4.2	37
391	Measurement of associated W + charm production in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	37
390	Jet production rates in association with W and Z bosons in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	37
389	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at (\sqrt{s}) = 8 TeV by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	37
388	Observation of a narrow mass state decaying into $\Upsilon(1S) + \pi$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	37
387	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	37
386	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
385	Measurement of the semileptonic charge asymmetry using $B(s)0 \rightarrow D(s)\bar{X}$ decays. <i>Physical Review Letters</i> , 2013 , 110, 011801	7.4	36
384	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 451	4.2	36
383	Search for disappearing tracks in proton-proton collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	35
382	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 13	4.2	35
381	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	35
380	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	35
379	Measurement of the (\bar{t}) production cross section in pp collisions at (\sqrt{s}) = 7 TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	35
378	Measurement of the W boson mass. <i>Physical Review Letters</i> , 2009 , 103, 141801	7.4	35
377	Search for stopped gluinos from pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 131801	7.4	35
376	Measurement of the strong coupling constant from inclusive jet production at the Tevatron pp collider. <i>Physical Review Letters</i> , 2002 , 88, 042001	7.4	35
375	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at (\sqrt{s}) = 8 TeV and cross section ratios to 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	34

374	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 439	4.2	34
373	Measurement of angular correlations of jets at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 56-63	4.2	34
372	Measurement of the asymmetry in angular distributions of leptons produced in dilepton $t\bar{t}$ final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	34
371	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 151	4.2	33
370	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	33
369	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	33
368	Search for a light charged Higgs boson decaying to $(\overline{\text{charm}})$ in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5.4	33
367	Inclusive Production of the X(4140) State in pp Collisions at D0. <i>Physical Review Letters</i> , 2015 , 115, 232001	7.4	32
366	Study of CP-violating charge asymmetries of single muons and like-sign dimuons in pp collisions. <i>Physical Review D</i> , 2014 , 89,	4.9	32
365	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	32
364	Measurement of the Drell-Yan cross section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	32
363	Search for Randall-Sundrum gravitons in the dielectron and diphoton final states with 5.4 fb^{-1} of data from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 104, 241802	7.4	32
362	Precise measurement of the top-quark mass from lepton+jets events at D0. <i>Physical Review D</i> , 2011 , 84,	4.9	32
361	Evidence for Simultaneous Production of J/ψ and η Mesons. <i>Physical Review Letters</i> , 2016 , 116, 082002	7.4	31
360	Measurement of the $(\overline{\text{charm}})$ production cross section in the $e\bar{e}$ channel in proton-proton collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	30
359	Evidence for s-channel single top quark production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 656-664	4.2	30
358	Measurement of the differential \bar{c} -jet cross section and the ratio of differential \bar{c} and \bar{b} cross sections in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 354-361	4.2	30
357	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	30

356	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at ($\sqrt{s} = 7\text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	30
355	Measurement of leptonic asymmetries and top-quark polarization in $t\bar{t}$ production. <i>Physical Review D</i> , 2013 , 87,	4.9	30
354	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2018 , 78, 165	4.2	29
353	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or B b-quark jets in 7 TeV pp collisions using the variable \cancel{E}_T . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	29
352	Observation of $Y(1S)$ pair production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	29
351	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3060	4.2	29
350	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3129	4.2	29
349	Combined search for the standard model Higgs boson decaying to $b\bar{b}$ using the D0 run II data set. <i>Physical Review Letters</i> , 2012 , 109, 121802	7.4	29
348	Search for heavy Majorana neutrinos in $e\bar{e}\mu^+\mu^+$ jets and $e\bar{e}\mu^+\mu^+$ jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28
347	Measurement of differential $t\bar{t}$ production cross sections in pp collisions. <i>Physical Review D</i> , 2014 , 90,	4.9	28
346	Measurements of single top quark production cross sections and $ V_{tb} $ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	28
345	Search for charged higgs bosons decaying into top and bottom quarks in pp collisions. <i>Physical Review Letters</i> , 2009 , 102, 191802	7.4	28
344	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	28
343	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , 2019 , 79, 368	4.2	27
342	Evidence for exclusive $B \rightarrow W + W$ production and constraints on anomalous quartic gauge couplings in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	27
341	Double parton interactions in μ^3 jet and $\mu^b/cjet+2$ jet events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	27
340	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ($\sqrt{s}=7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	27
339	Limits on anomalous trilinear gauge boson couplings from WW , WZ and $W\gamma$ production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 451-459	4.2	27

338	Search for anomalous quartic WW couplings in dielectron and missing energy final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	27
337	Measurement of $(\overline{B} B)$ angular correlations based on secondary vertex reconstruction at $(\sqrt{s} = 7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	27
336	Measurement of the WZ and ZZ production cross sections using leptonic final states in 8.6 fb of pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	27
335	Measurement of the forward-backward charge asymmetry and extraction of $\sin^2\theta_{\text{Weff}}$ in $pp \rightarrow Z/\gamma^* + X \rightarrow e^+e^- + X$ events produced at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 191801	7.4	27
334	Search for ZZ and $Z\gamma^*$ production in pp collisions at square root $\sqrt{s}=1.96$ TeV and limits on anomalous ZZZ and $ZZ\gamma^*$ couplings. <i>Physical Review Letters</i> , 2008 , 100, 131801	7.4	27
333	Measurement of prompt and nonprompt $[B_s]$ production in $[B_s]$ and $[B_s]$ collisions at $[B_s]$. <i>European Physical Journal C</i> , 2017 , 77, 269	4.2	26
332	Measurement of the electron charge asymmetry in $pp \rightarrow W+X \rightarrow e\mu X$ decays in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	26
331	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	26
330	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	26
329	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	26
328	Search for CP violation in $B_{s0} \rightarrow \mu D_{s\mu}$ decays in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	26
327	Measurement of $d\sigma/dM$ and forward-backward charge asymmetry for high-mass Drell-Yan e^+e^- pairs from pp macro collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2001 , 87, 131802	7.4	26
326	Search for top squark pair production in pp collisions at $(\sqrt{s}=13)$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
325	Measurements of the $[B_s][B_s]$ production cross sections in the $[B_s]$ channel in proton-proton collisions at $[B_s]$ and $[B_s]$ and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , 2015 , 75, 511	4.2	25
324	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , 2016 , 76, 371	4.2	25
323	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , 2018 , 78, 701	4.2	25
322	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $[B_s]$. <i>European Physical Journal C</i> , 2015 , 75, 325	4.2	24
321	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 75	4.2	24

320	Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 372	4.2	24
319	Muon reconstruction and identification with the Run II D0 detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 737, 281-294	1.2	24
318	Measurement of the $Z/\gamma + b$ -jet cross section in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
317	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
316	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\mu\mu$ channel in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
315	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P10017-P10017	1	23
314	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at ($\sqrt{s} = 8$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	23
313	Measurement of the muon charge asymmetry in $pp \rightarrow W+X \rightarrow \mu X$ events at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	23
312	Tevatron Combination of Single-Top-Quark Cross Sections and Determination of the Magnitude of the Cabibbo-Kobayashi-Maskawa Matrix Element V_{tb} . <i>Physical Review Letters</i> , 2015 , 115, 152003	7.4	23
311	Combination of searches for anomalous top quark couplings with 5.4fb ⁻¹ of pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 165-171	4.2	23
310	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , 2018 , 78, 707	4.2	23
309	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> , 2018 , 2018, 1	5.4	23
308	Measurement of the [Formula: see text] production cross section using events in the [Formula: see text] final state in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 172	4.2	22
307	Search for anomalous Wtb couplings in single top quark production in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 21-26	4.2	22
306	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 845	4.2	22
305	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at ($\sqrt{s} = 8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
304	Measurement of the $B_s(0)$ lifetime using semileptonic decays. <i>Physical Review Letters</i> , 2006 , 97, 241801	7.4	22
303	Measurement of the WZ production cross section in pp collisions at [Formula: see text] and 8[Formula: see text] and search for anomalous triple gauge couplings at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 236	4.2	21

302	A search for new phenomena in pp collisions at [Formula: see text] in final states with missing transverse momentum and at least one jet using the [Formula: see text] variable. <i>European Physical Journal C</i> , 2017 , 77, 294	4.2	21
301	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 66	4.2	21
300	Correlations between jets and charged particles in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
299	Measurement of the [Formula: see text] production cross section in the all-jets final state in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 128	4.2	21
298	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	21
297	Measurement of the top-quark mass in all-jets [Formula: see text] events in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2014 , 74, 2758	4.2	21
296	Measurement of the ($\bar{\mathrm{t}}\mathrm{t}$) production cross section in the $\bar{\mathrm{t}}\mathrm{t}$ jets channel in pp collisions at ($\sqrt{s}=7$ mbox{TeV}). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	21
295	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 578	4.2	21
294	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	21
293	Measurement of $\sin 2\beta_{\mathrm{eff}}$ and Z-light quark couplings using the forward-backward charge asymmetry in $pp \rightarrow Z/\bar{\mathrm{t}} \rightarrow e+e$ events with $L=5.0$ fb at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	21
292	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
291	Measurement of [Formula: see text] production with additional jet activity, including [Formula: see text] quark jets, in the dilepton decay channel using pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 379	4.2	20
290	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 140	4.2	20
289	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , 2019 , 79, 564	4.2	20
288	Measurement of the production cross section for pairs of isolated photons in pp collisions at ($\sqrt{s} = 7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	20
287	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20
286	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at. <i>European Physical Journal C</i> , 2017 , 77, 636	4.2	20
285	Jet energy scale determination in the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 763, 442-475 ^{1.2}		20

284	Search for the standard model Higgs boson in the $ZH \rightarrow \tau\tau$ channel in 9.5 fb ⁻¹ of pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 285-293	4.2	20
283	Search for violation of Lorentz invariance in top quark pair production and decay. <i>Physical Review Letters</i> , 2012 , 108, 261603	7.4	20
282	Search for anomalous single top quark production in association with a photon in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
281	Measurements of the [Formula: see text] production cross section in lepton+jets final states in pp collisions at 8 [Formula: see text] and ratio of 8 to 7 [Formula: see text] cross sections. <i>European Physical Journal C</i> , 2017 , 77, 15	4.2	19
280	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	19
279	Search for resonant and nonresonant Higgs boson pair production in the ($\overline{b}b$) final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
278	Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 237	4.2	19
277	Electron and photon identification in the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 750, 78-95	1.2	19
276	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	19
275	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	19
274	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	19
273	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 965	4.2	19
272	Search for new physics in dijet angular distributions using proton-proton collisions at and constraints on dark matter and other models. <i>European Physical Journal C</i> , 2018 , 78, 789	4.2	19
271	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 364	4.2	18
270	Study of Z production in PbPb and pp collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
269	Observation of top quark pairs produced in association with a vector boson in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	18
268	. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
267	Measurement of the $pp \rightarrow W+b+X$ production cross section at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1314-1320	4.2	18

266	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
265	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying τ leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
264	Simultaneous measurement of forward-backward asymmetry and top polarization in dilepton final states from $t\bar{t}$ production at the Tevatron. <i>Physical Review D</i> , 2015 , 92,	4.9	18
263	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
262	Measurement of the W boson mass with the D0 detector. <i>Physical Review D</i> , 2014 , 89,	4.9	18
261	Measurement of the forward-backward asymmetry in the distribution of leptons in $t\bar{t}$ events in the lepton+jets channel. <i>Physical Review D</i> , 2014 , 90,	4.9	18
260	Search for associated W and Higgs Boson production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 051803	7.4	18
259	Search for pair production of the scalar top quark in the electron + muon final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 696, 321-327	4.2	18
258	Diffraction dijet production at $\sqrt{s} = 630$ and 1800 GeV at the Fermilab Tevatron. <i>Physical Review Letters</i> , 2002 , 88, 151802	7.4	18
257	Study of the $X(5568)$ state with semileptonic decays of the B_s^0 meson. <i>Physical Review D</i> , 2018 , 97,	4.9	18
256	Search for ($\overline{t}t$) production in the (H to $\overline{b}b$) decay channel with leptonic ($\overline{t}t$) decays in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
255	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$. <i>European Physical Journal C</i> , 2018 , 78, 291	4.2	17
254	Measurement of the inclusive jet cross section in pp collisions at ($\sqrt{s} = 2.76, \text{text {TeV}}$). <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	17
253	Search for ($\overline{t}t$) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	17
252	Searches for pair production of third-generation squarks in pp collisions. <i>European Physical Journal C</i> , 2017 , 77, 327	4.2	17
251	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	17
250	Search for stopped long-lived particles produced in pp collisions at ($\sqrt{s} = \text{text {7TeV}}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
249	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	17

248	Search for sneutrino production in e [±] final states in 5.3 fb ⁻¹ of pp collisions at square root s = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 105, 191802	7.4	17
247	Measurement of the B ₀ lifetime in the exclusive decay B ₀ → J/ψ in pp collisions at s = 1.96 TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	17
246	Study of direct CP violation in B(±) → J/ψ K(±)(π(±)) decays. <i>Physical Review Letters</i> , 2008 , 100, 211802	4.2	17
245	Search for the supersymmetric partner of the top quark in dilepton events from pp collisions at square root of s = 1.8 TeV. <i>Physical Review Letters</i> , 2003 , 90, 251801	7.4	17
244	Evidence for Zc _B (3900) in semi-inclusive decays of b-flavored hadrons. <i>Physical Review D</i> , 2018 , 98,	4.9	17
243	Measurement of double-differential cross sections for top quark pair production in pp collisions at [Formula: see text] and impact on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 459	4.2	16
242	Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 3	4.2	16
241	Search for new physics with the M _{T2} variable in all-jets final states produced in pp collisions at (√s = 13) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
240	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into leptons in pp collisions at (√s = 8) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
239	Improved b quark jet identification at the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 763, 290-303	1.2	16
238	Measurement of WZ and ZZ production in pp collisions at [Formula: see text] in final states with b-tagged jets. <i>European Physical Journal C</i> , 2014 , 74, 2973	4.2	16
237	Studies of W boson plus jets production in pp collisions at s = 1.96 TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	16
236	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
235	Combined search for the Higgs boson with the D0 experiment. <i>Physical Review D</i> , 2013 , 88,	4.9	16
234	Search for WH associated production in 5.3 fb ⁻¹ of pp collisions at the Fermilab Tevatron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 6-13	4.2	16
233	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at (√s = 13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
232	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at (√s = 13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16
231	Measurements of the associated production of a Z boson and b jets in pp collisions at. <i>European Physical Journal C</i> , 2017 , 77, 751	4.2	15

230	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
229	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	15
228	Search for supersymmetry in pp collisions at [Formula: see text] TeV in events with a single lepton, jets, and missing transverse momentum. <i>European Physical Journal C</i> , 2013 , 73, 2404	4-2	15
227	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	15
226	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	15
225	Search for the standard model Higgs boson in $ZH \rightarrow (\mu^+\mu^-)bb$ production with the D0 detector in 9.7 fb ⁻¹ of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 121803	7-4	15
224	Search for the lightest scalar top quark in events with two leptons in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 659, 500-508	4-2	15
223	A combined search for the standard model Higgs boson at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 663, 26-36	4-2	15
222	Search for high-mass resonances in final states with a lepton and missing transverse momentum at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	15
221	Tevatron Run II combination of the effective leptonic electroweak mixing angle. <i>Physical Review D</i> , 2018 , 97,	4-9	15
220	Measurement of the jet mass in highly boosted [Formula: see text] events from pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 467	4-2	14
219	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 460	4-2	14
218	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	14
217	Measurement of the ($\overline{\text{t}}\text{t}$) production cross section in the all-jet final state in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	14
216	Measurement of the differential cross sections for isolated direct photon pair production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 6-14	4-2	14
215	Measurement of the ($\overline{\text{t}}\text{t}$) production cross section using events with one lepton and at least one jet in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	14
214	Precision measurement of the top-quark mass in lepton+jets final states. <i>Physical Review D</i> , 2015 , 91,	4-9	14
213	Measurement of associated production of z bosons with charm quark jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 042001	7-4	14

212	Measurement of the W boson production charge asymmetry in $pp \rightarrow W+X \rightarrow e\bar{\nu}X$ events at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 151803	7.4	14
211	Search for $ZH \rightarrow l^+ l^- b\bar{b}$ production in 4.2 fb^{-1} of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 251801	7.4	14
210	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	14
209	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow J/\psi \ell^+ \ell^-$ and $B \rightarrow J/\psi \ell^+ \ell^-$ and $(\text{mathcal{B}}\{\text{B}\}\{\text{left}\{\{\text{mathrm}\{\text{B}\}\}_{\{\text{mathrm}\{\text{c}\}\}^{\{\text{pm}\}\}}\}\text{to}\ \text{mathrm}\{\text{J}\}/\psi\{\text{pi}\}^{\{\text{pm}\}\}\{\text{pi}\}^{\{\text{pm}\}\}\{\text{pi}\}^{\{\text{mp}\}\}\text{right}\}/\text{mathrm}\{\text{mathcal{B}}\}\{\text{left}\{\{\text{mathrm}\{\text{B}\}\}_{\{\text{mathrm}\{\text{c}\}\}^{\{\text{pm}\}\}}\}\text{to}\ \text{mathrm}\{\text{J}\}/\psi\{\text{pi}\}^{\{\text{pm}\}\}\{\text{pi}\}^{\{\text{pm}\}\}\text{right}\})$ in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13
208	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
207	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 325	4.2	13
206	Study of double parton interactions in diphoton+dijet events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	13
205	Measurement of exclusive γ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 702	4.2	13
204	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019 , 79, 313	4.2	13
203	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2901	4.2	13
202	Search for pair production of the scalar top quark in muon + tau final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 578-586	4.2	13
201	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13
200	Search for the rare decay $B_s^0 \rightarrow \mu^+ \mu^-$ <i>Physical Review D</i> , 2013 , 87,	4.9	13
199	Measurement of the ratio of differential cross sections $(\text{pp} \rightarrow Z+b \text{ jet})/(\text{pp} \rightarrow Z+\text{jet})$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	13
198	Measurement of three-jet differential cross sections $d\text{Bjet}/dM_{3\text{jet}}$ in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 434-441	4.2	13
197	Measurement of the ratio of inclusive cross sections $(\text{pp} \rightarrow Z+b\bar{q} \text{ jet})/(\text{pp} \rightarrow Z+\text{jet})$ at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	13
196	Search for the standard model Higgs boson in associated WH production in 9.7 fb^{-1} of pp collisions with the D0 detector. <i>Physical Review Letters</i> , 2012 , 109, 121804	7.4	13
195	Measurement of $(\text{hbox}\{t\}\{\text{bar}\{\text{hbox}\{t\}\}})$ normalised multi-differential cross sections in (pp) collisions at $(\sqrt{s}=13, \text{TeV})$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13

194	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at ($\sqrt{s_{\mathrm{N};\mathrm{N}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	13
193	Search for ($\overline{\mathrm{t}}\mathrm{H}$) production in the all-jet final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	13
192	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , 2018 , 78, 891	4-2	13
191	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 280	4-2	12
190	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	12
189	Measurement of normalized differential ($\overline{\mathrm{t}}\mathrm{t}$) cross sections in the dilepton channel from pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	12
188	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	12
187	Measurement of the Effective Weak Mixing Angle in $pp[\overline{\mathrm{t}}\mathrm{t}]\rightarrow Z/\overline{\mathrm{t}}\mathrm{t}\rightarrow e^+e^-$ Events. <i>Physical Review Letters</i> , 2015 , 115, 041801	7-4	12
186	Electroweak production of two jets in association with a Z boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2018 , 78, 1	4-2	12
185	Search for new physics in the monophoton final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	11
184	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 287	4-2	11
183	Phenomenological MSSM interpretation of CMS searches in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	11
182	Measurement of jet multiplicity distributions in [$\mathrm{t}\overline{\mathrm{t}}$] production in pp collisions at [$\sqrt{s}=13$]. <i>European Physical Journal C</i> , 2014 , 74, 3014	4-2	11
181	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	11
180	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	11
179	Search for new physics with dijet angular distributions in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	11
178	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
177	Measurement of direct CP violation parameters in $B\rightarrow J/\psi K$ and $B\rightarrow J/\psi K^*$ decays with 10.4 fb ⁻¹ of Tevatron data. <i>Physical Review Letters</i> , 2013 , 110, 241801	7-4	11

176	Measurement of the $t\bar{t}$ cross section using high-multiplicity jet events. <i>Physical Review D</i> , 2010 , 82,	4.9	11
175	$ZZ \rightarrow l+l$ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 78,	4.9	11
174	Measurements of differential Z boson production cross sections in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	11
173	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at \sqrt{s} = 13 TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
172	Search for Z resonances using leptonic and hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
171	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
170	Measurement of the forward-backward asymmetry in the production of $B(\bar{B})$ mesons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2015 , 114, 051803	7.4	10
169	A multi-dimensional search for new heavy resonances decaying to boosted γ , W , or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
168	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at ($\sqrt{s}=8$) TeV using $H \rightarrow WW$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
167	Search for excited leptons in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
166	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
165	Measurements of jet charge with dijet events in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
164	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
163	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
162	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
161	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
160	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	9
159	Measurement of the inclusive $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV and determination of the top quark pole mass. <i>Physical Review D</i> , 2016 , 94,	4.9	9

158	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	9
157	Measurement of the combined rapidity and . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 212-219	4-2	9
156	Search for associated production of dark matter with a Higgs boson decaying to ($\overline{\text{b}}\text{b}$) or $\tau\tau$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	9
155	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	9
154	Measurement of electroweak-induced production of $W\gamma$ with two jets in pp collisions at ($\sqrt{s}=8$) TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	9
153	Search for the standard model Higgs boson in tau lepton final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 237-245	4-2	9
152	Measurement of the differential cross section of photon plus jet production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4-9	9
151	Measurement of the ZZ production cross section and search for the standard model Higgs boson in the four lepton final state in pp collisions. <i>Physical Review D</i> , 2013 , 88,	4-9	9
150	Study of the decay $B_s^0 \rightarrow J/\psi(1525) \mu\mu$ in $B\mu$ final states. <i>Physical Review D</i> , 2012 , 86,	4-9	9
149	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $[e\mu]$ pair in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 317	4-2	9
148	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	9
147	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2018 , 78, 697	4-2	9
146	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	8
145	Combined Forward-Backward Asymmetry Measurements in Top-Antitop Quark Production at the Tevatron. <i>Physical Review Letters</i> , 2018 , 120, 042001	7-4	8
144	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at ($\sqrt{s_{NN}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	8
143	Search for s channel single top quark production in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8
142	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	8
141	Properties of $Zc\bar{c}$ (3900) produced in pp collisions. <i>Physical Review D</i> , 2019 , 100,	4-9	8

140	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	8
139	Measurement of the top quark mass using single top quark events in proton-proton collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2017 , 77, 354	4-2	8
138	Measurement of the triple-differential dijet cross section in proton-proton collisions at and constraints on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 746	4-2	8
137	Search for the standard model Higgs boson in n jets final states in 9.7 fb^{-1} of pp collisions with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4-9	8
136	Measurement of the top quark mass using the matrix element technique in dilepton final states. <i>Physical Review D</i> , 2016 , 94,	4-9	8
135	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	8
134	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> , 2017 , 2017, 1	5-4	7
133	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 92	4-2	7
132	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at ($\sqrt{s}=13$, text {TeV}). <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	7
131	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2019 , 79, 94	4-2	7
130	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	7
129	Measurement of the θ distribution of muon pairs with masses between 30 and 500 GeV in 10.4 fb^{-1} of pp collisions. <i>Physical Review D</i> , 2015 , 91,	4-9	7
128	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	7
127	Search for supersymmetry in pp collisions at ($\sqrt{s}=13$) TeV in the single-lepton final state using the sum of masses of large-radius jets. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
126	Measurement of top quark polarisation in t-channel single top quark production. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
125	Jet properties in PbPb and pp collisions at ($\sqrt{s_{\text{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
124	Measurement of the ratio of three-jet to two-jet cross sections in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 6-12	4-2	7
123	Measurement of the semileptonic ($\overline{t}t$) + $\bar{t}t$ production cross section in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7

122	Searches for W bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
121	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
120	Measurement of the $Z\gamma$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	7
119	Search for a Higgs boson in diphoton final states with the D0 detector in 9.6 fb $^{-1}$ of pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4-9	7
118	Search for charged massive long-lived particles at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 87,	4-9	7
117	Search for $Z\bar{\nu}\nu$ events with large missing transverse energy in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4-9	7
116	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
115	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 13	4-2	7
114	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
113	Search for a heavy resonance decaying into a Z boson and a Z or W boson in Zq final states at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
112	Search for dark matter produced in association with a Higgs boson decaying to $\tau\bar{\nu}_\tau$ at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
111	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
110	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021 , 81, 800	4-2	7
109	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 90	4-2	6
108	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at ($\sqrt{s}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	6
107	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , 2020 , 80, 534	4-2	6
106	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4-2	6
105	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 536	4-2	6

104	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}). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
103	Search for Violation of CPT and Lorentz Invariance in Bs(0) Meson Oscillations. <i>Physical Review Letters</i> , 2015 , 115, 161601	7.4	6
102	Measurement of the differential $\#2b$ -jet cross section and the ratio ($\#2b$ -jets)/($\#b$ -jet) in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 737, 357-365	4.2	6
101	Search for Higgs boson production in oppositely charged dilepton and missing energy final states in 9.7 fb of pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	6
100	Search for WH associated production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	6
99	Search for the associated production of the Higgs boson with a top-quark pair 2014 , 2014, 1		6
98	Precise measurement of the top quark mass in dilepton decays using optimized neutrino weighting. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 752, 18-26	4.2	6
97	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
96	Measurement of the differential Drell-Yan cross section in proton-proton collisions at ($\sqrt{\text{mathrm{s}}}$) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	6
95	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 893	4.2	6
94	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 886	4.2	6
93	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
92	Search for a heavy resonance decaying into a Z boson and a vector boson in the ($\overline{\nu}\text{mathrm{q}}\overline{\text{mathrm{q}}}$) final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
91	Measurement of the B(s)(0) lifetime in the flavor-specific decay channel B(s)(0)->D(s)(-)(+). <i>Physical Review Letters</i> , 2015 , 114, 062001	7.4	5
90	Measurement of the mass of the top quark in decays with a J/ψmeson in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
89	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
88	Measurement of the electric charge of the top quark in tt events. <i>Physical Review D</i> , 2014 , 90,	4.9	5
87	Constraints on models for the Higgs boson with exotic spin and parity in VH -> Vbb final states. <i>Physical Review Letters</i> , 2014 , 113, 161802	7.4	5

86	Search for the Higgs boson in lepton, tau, and jets final states. <i>Physical Review D</i> , 2013 , 88,	4.9	5
85	Search for $ZH \rightarrow \tau\tau$ production in 9.7 fb^{-1} of pp collisions with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4.9	5
84	A novel method for modeling the recoil in W boson events at hadron colliders. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 609, 250-262	1.2	5
83	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV 2011 , 2011, 1		5
82	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2021 , 81, 200	4.2	5
81	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at. <i>European Physical Journal C</i> , 2021 , 81, 378	4.2	5
80	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 488	4.2	5
79	B_s^0 lifetime measurement in the CP-odd decay channel $B_s^0 \rightarrow J/\psi(986)$. <i>Physical Review D</i> , 2016 , 94,	4.9	5
78	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , 2021 , 81, 3	4.2	5
77	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , 2018 , 78, 708	4.2	5
76	Search for the pair production of light top squarks in the $e\mu$ final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
75	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 123	4.2	4
74	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 20	4.2	4
73	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 302	4.2	4
72	Evidence for (W) production from double-parton interactions in proton-proton collisions at ($\sqrt{s} = 13$,text {TeV}). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
71	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 242	4.2	4
70	Pseudorapidity distributions of charged hadrons in proton-lead collisions at ($\sqrt{s_{\text{NN}}}=5.02$) and 8.16 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
69	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4

68	Search for a heavy resonance decaying to a top quark and a vector-like top quark at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
67	Search for high-mass $Z\bar{\nu}\nu$ resonances in e^+e^- and $\bar{b}b$ final states in proton-proton collisions at ($\sqrt{s}=8$) and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
66	Search for CP violation in (\overline{t}) production and decay in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
65	Measurement of the W+b-jet and W+c-jet differential production cross sections in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 6-14	4-2	4
64	Measurement of the direct CP-violating parameter ACP in the decay $D^+\rightarrow K\pi\pi$. <i>Physical Review D</i> , 2014 , 90,	4-9	4
63	Search for Higgs boson production in trilepton and like-charge electron-muon final states with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4-9	4
62	Measurement of differential cross sections and charge ratios for \bar{b} -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4-2	4
61	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	4
60	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2018 , 78, 1	4-2	4
59	MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 629	4-2	4
58	Measurement of top quark polarization in $t\bar{t}$ lepton+jets final states. <i>Physical Review D</i> , 2017 , 95,	4-9	3
57	Tevatron constraints on models of the Higgs boson with exotic spin and parity using decays to bottom-antibottom quark pairs. <i>Physical Review Letters</i> , 2015 , 114, 151802	7-4	3
56	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189	4-2	3
55	Measurement of the inclusive (\overline{t}) cross section in pp collisions at ($\sqrt{s}=5.02$) TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	3
54	Search for ZZ resonances in the $2\mu\mu$ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	3
53	Measurement of the Effective Weak Mixing Angle in $pp\rightarrow Z/\bar{\nu}\nu\rightarrow\bar{\nu}\nu$ Events. <i>Physical Review Letters</i> , 2018 , 120, 241802	7-4	3
52	Test beam performance measurements for the Phase I upgrade of the CMS pixel detector. <i>Journal of Instrumentation</i> , 2017 , 12, P05022-P05022	1	3
51	Search for top quark partners with charge 5/3 in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	3

50	Measurement of the forward-backward asymmetry in Λ_b^0 and $\bar{\Lambda}_b^0$ baryon production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4-9	3
49	Measurement of the direct CP-violating charge asymmetry in $D_s \rightarrow \tau \mu$ decays. <i>Physical Review Letters</i> , 2014 , 112, 111804	7-4	3
48	Study of hadronic event-shape variables in multijet final states in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	3
47	Search for Higgs boson production in oppositely charged dilepton and missing energy events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4-9	3
46	Measurements of the $(\text{pp} \rightarrow \text{ZZ})$ production cross section and the $(\text{ZZ} \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13, \text{TeV})$ 2018 , 78, 1		3
45	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 970	4-2	3
44	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV 2014 , 2014, 1		3
43	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , 2020 , 4, 10	6	3
42	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	3
41	Measurement of spin correlation between top and antitop quarks produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 199-206	4-2	3
40	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to e final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	3
39	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 723	4-2	3
38	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 305	4-2	2
37	Measurement of the ratio of inclusive cross sections $(\text{pp} \rightarrow Z+2b \text{ jets})/(\text{pp} \rightarrow Z+2 \text{ jets})$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4-9	2
36	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
35	Measurement of differential cross sections in the kinematic angular variable θ^* for inclusive Z boson production in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
34	Search for dark matter particles in proton-proton collisions at $(\sqrt{s}=8)$ TeV using the razor variables. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	2
33	Search for $W \rightarrow tb$ in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	2

32	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
31	Measurements of the $pp \rightarrow W\ell$ and $pp \rightarrow Z\ell\ell$ cross sections and limits on anomalous quartic gauge couplings at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
30	Characterisation of irradiated thin silicon sensors for the CMS phase II pixel upgrade. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	2
29	Search for new phenomena with multiple charged leptons in proton-proton collisions at ($\sqrt{s}=13$) (,text {TeV}). <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	2
28	Search for new physics in events with same-sign dileptons and b jets in pp collisions at ($\sqrt{s}=8$) TeV 2013 , 2013, 1		2
27	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , 2020 , 80, 718	4.2	2
26	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 752	4.2	2
25	Measurement of the direct CP violating charge asymmetry in $B_{\mu} \rightarrow \mu D_0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	1
24	Search for supersymmetry in events with a photon, jets, -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
23	Measurement of the forward-backward asymmetry of Λ and $\bar{\Lambda}$ production in pp collisions. <i>Physical Review D</i> , 2016 , 93,	4.9	1
22	Measurement of the forward-backward asymmetries in the production of Λ and $\bar{\Lambda}$ baryons in pp collisions. <i>Physical Review D</i> , 2016 , 93,	4.9	1
21	Combination of D_0 measurements of the top quark mass. <i>Physical Review D</i> , 2017 , 95,	4.9	1
20	Development and validation of HERWIG tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
19	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	1
18	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 773	4.2	0
17	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2020 , 80, 1164	4.2	0
16	Search for a heavy vector resonance decaying to a Λ boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 688	4.2	0
15	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , 2021 , 81, 852	4.2	0

14	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	○
13	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 153	4.2	○
12	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 290	4.2	○
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> , 2022 , 2022, 1	5.4	○
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> , 2022 , 2022, 1	5.4	○
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> , 2022 , 2022, 1	5.4	○
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> , 2022 , 2022, 1	5.4	○
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> , 2022 , 2022, 1	5.4	○
6	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	○
5	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	
4	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	
3	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P05002-P05002	1	
2	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
1	Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	