

Ivan Heredia-de La Cruz

List of Publications by Year in Descending Order

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Version: 2024-04-10

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

485 papers	16,952 citations	61 h-index	106 g-index
504 ext. papers	19,002 ext. citations	5 avg, IF	6.44 L-index

#	Paper	IF	Citations
485	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
484	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
483	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 153	4.2	0
482	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	
481	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	0
480	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
479	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	0
478	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	0
477	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	0
476	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	0
475	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	0
474	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	
473	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
472	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
471	Development and validation of HERWIG Γ tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
470	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
469	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at ($\sqrt{\text{mathrm{s}}}$) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3

468	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
467	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
466	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
465	Search for a heavy vector resonance decaying to a W boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 688	4.2	0
464	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
463	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
462	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
461	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
460	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
459	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
458	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
457	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
456	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
455	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
454	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
453	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
452	A multi-dimensional search for new heavy resonances decaying to boosted W , Z , or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
451	Measurement of differential cross sections and charge ratios for s -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	4

450	Measurement of $\langle \sigma_{\text{had}} \rangle$ 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
449	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
448	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
447	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
446	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
445	Search for the pair production of light top squarks in the e^+e^- final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
444	Measurements of the $\text{pp} \rightarrow \text{WZ}$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
443	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
442	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
441	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
440	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
439	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
438	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
437	Measurements of differential Z boson production cross sections in proton-proton collisions at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	11
436	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	6
435	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
434	Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=5.02 \text{ TeV}$. <i>Physical Review Letters</i> , 2018 , 120, 142302	7.4	27
433	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

432	Suppression of Excited χ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 142301	7.4	12
431	Search for resonant and nonresonant Higgs boson pair production in the $(\overline{b}b\ell\ell)$ final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
430	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
429	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2018 , 78, 165	4.2	29
428	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2018 , 78, 287	4.2	11
427	Measurement of the inclusive $(\overline{t}t)$ 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
426	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	
425	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
424	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
423	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	45
422	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
421	Measurement of differential cross sections in the kinematic angular variable ϕ^* for inclusive Z boson production in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
420	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
419	Measurement of normalized differential $(\overline{t}t)$ cross sections in the dilepton channel from pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
418	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
417	Search for ZZ resonances in the $2\ell\ell$ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
416	Jet properties in PbPb and pp collisions at $(\sqrt{s_{NN}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
415	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2018 , 78, 140	4.2	20

4 ¹⁴	Search for the X(5568) State Decaying into $B_s^{(0)}\pi$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202005	7.4	36
4 ¹³	Measurements of the $(\mathrm{p}\mathrm{p})\rightarrow\mathrm{Z}\mathrm{Z}$ production cross section and the $(\mathrm{Z}\rightarrow\mathrm{e}\mathrm{e})$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s}=13,\text{TeV})$ 2018 , 78, 1		3
4 ¹²	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
4 ¹¹	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
4 ¹⁰	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
4 ⁰⁹	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
4 ⁰⁸	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
4 ⁰⁷	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
4 ⁰⁶	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
4 ⁰⁵	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
4 ⁰⁴	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\ell q$ final states at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
4 ⁰³	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\ell$ final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
4 ⁰²	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
4 ⁰¹	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
4 ⁰⁰	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
399	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
398	Search for dark matter produced in association with a Higgs boson decaying to $\mathrm{b}\bar{\mathrm{b}}\tau\tau$ at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
397	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

396	Search for a heavy resonance decaying into a Z boson and a vector boson in the $(\overline{\nu}\overline{q})$ final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
395	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
394	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16
393	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
392	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
391	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
390	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
389	Search for Narrow Resonances in the b-Tagged Dijet Mass Spectrum in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 201801	7.4	13
388	Measurement of Prompt D^0 Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202301	7.4	39
387	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
386	Measurement of top quark polarization in $t\bar{t}\ell$ lepton+jets final states. <i>Physical Review D</i> , 2017 , 95,	4.9	3
385	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
384	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
383	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
382	Search for electroweak production of charginos in final states with two ℓ leptons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
381	Measurement of the production cross section of a $W\ell$ 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
380	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
379	Measurement of prompt and nonprompt $[Formula: see text]$ production in $[Formula: see text]$ and $[Formula: see text]$ collisions at $[Formula: see text]$. <i>European Physical Journal C</i> , 2017 , 77, 269	4.2	26

378	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
377	Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect. <i>Physical Review Letters</i> , 2017 , 118, 122301	7.4	72
376	Measurement of the direct CP violating charge asymmetry in $B^0 \rightarrow D^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	1
375	Measurement of the B^0 Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2017 , 119, 152301	7.4	37
374	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
373	Measurement of double-differential cross sections for top quark pair production in pp collisions at [Formula: see text][Formula: see text] and impact on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 459	4.2	16
372	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
371	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
370	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
369	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2017 , 119, 111802	7.4	21
368	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
367	Combination of D^0 measurements of the top quark mass. <i>Physical Review D</i> , 2017 , 95,	4.9	1
366	Search for ($\overline{\mathrm{t}}\mathrm{t}$) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	17
365	Search for associated production of dark matter with a Higgs boson decaying to ($\overline{\mathrm{b}}\mathrm{b}$) or $\tau\tau$ at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
364	Observation of Top Quark Production in Proton-Nucleus Collisions. <i>Physical Review Letters</i> , 2017 , 119, 242001	7.4	11
363	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
362	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
361	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

360	Measurement of the semileptonic ($\overline{\text{t}} + \text{t}$) production cross section in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
359	Measurements of the pp $\rightarrow W\gamma$ and pp $\rightarrow Z\gamma$ 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
358	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
357	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
356	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
355	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
354	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
353	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
352	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , 2017 , 77, 327	4-2	17
351	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
350	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
349	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
348	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
347	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
346	Searches for $W\gamma$ 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
345	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
344	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
343	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

342	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
341	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
340	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
339	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
338	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
337	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
336	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
335	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
334	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
333	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
332	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
331	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	46
330	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
329	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
328	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
327	Search for high-mass Z resonances in e^+e^- and $\mu^+\mu^-$ final states in proton-proton collisions at ($\sqrt{s}=8$) and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
326	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
325	Search for CP violation in ($\overline{\text{t}}\text{t}$) 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

324	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
323	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
322	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
321	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
320	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
319	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
318	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
317	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
316	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
315	Evidence for Simultaneous Production of J/ψ and η Mesons. <i>Physical Review Letters</i> , 2016 , 116, 082002	7.4	31
314	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 172302	7.4	90
313	Evidence for a $B_{s^0}^0 \rightarrow \mu^+ \mu^-$ State. <i>Physical Review Letters</i> , 2016 , 117, 022003	7.4	110
312	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
311	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 536	4.2	6
310	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
309	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
308	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
307	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

306	Measurement of the $(\overline{\text{t}}\text{t})$ production cross section in the $\text{e}\overline{\text{t}}\text{t}$ 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
305	Search for new physics with the MT2 variable in all-jets final states produced in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	16
304	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
303	Measurement of the inclusive $\text{t}\overline{\text{t}}$ 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
302	Evidence for exclusive $\text{B}\overline{\text{B}} + \text{W}\overline{\text{W}}$ 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
301	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
300	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
299	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
298	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
297	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5
296	Measurement of the inclusive jet cross section in pp collisions at $(\sqrt{s} = 2.76, \text{TeV})$. <i>European Physical Journal C</i> , 2016 , 76, 1	4-2	17
295	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
294	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
293	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
292	Search for $\text{W}\overline{\text{b}}\text{b}$ in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	2
291	Correlations between jets and charged particles in PbPb and pp collisions at $(\sqrt{s_{\text{NN}}}=2.76)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	21
290	Search for the production of an excited bottom quark decaying to $\text{t}\overline{\text{W}}$ in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	2
289	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

288	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
287	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
286	Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 237	4.2	19
285	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
284	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
283	Search for heavy Majorana neutrinos in e^+e^- jets and e^+e^- jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28
282	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 ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
281	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
280	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
279	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at ($\sqrt{s_{\mathrm{N}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
278	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
277	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
276	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
275	Reconstruction and identification of lepton decays to hadrons and B_t CMS. <i>Journal of Instrumentation</i> , 2016 , 11, P01019-P01019	1	75
274	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
273	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an [Formula: see text] pair in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 317	4.2	9
272	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
271	Measurement of spin correlation between top and antitop quarks produced in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 199-206	4.2	3

269	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
268	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
267	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
266	Bs0 lifetime measurement in the CP-odd decay channel Bs0→J/ψ(980). <i>Physical Review D</i> , 2016 , 94,	4.9	5
265	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
264	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
263	Measurement of the B(s)0 lifetime in the flavor-specific decay channel B(s)0→D(s)−(+)X. <i>Physical Review Letters</i> , 2015 , 114, 062001	7.4	5
262	Measurement of the \sqrt{s} 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
261	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
260	Measurement of the forward-backward asymmetry in the production of B(±) mesons in pp collisions at \sqrt{s} =1.96 TeV. <i>Physical Review Letters</i> , 2015 , 114, 051803	7.4	10
259	Measurement of the electron charge asymmetry in pp→W+X→e+X decays in pp collisions at \sqrt{s} =1.96 TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	26
258	Measurement of the ratio of inclusive cross sections $\sigma(\text{pp} \rightarrow Z+2b \text{ jets})/\sigma(\text{pp} \rightarrow Z+2 \text{ jets})$ in pp collisions at \sqrt{s} =1.96 TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	2
257	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
256	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
255	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
254	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
253	Measurement of the ratio of the production cross sections times branching fractions of B→c→J/ψ and B→J/ψ and $(\mathcal{B}(\text{B} \rightarrow \text{J}/\psi) \times \mathcal{B}(\text{J}/\psi \rightarrow \text{e}^+ \text{e}^-))/(\mathcal{B}(\text{B} \rightarrow \text{J}/\psi) \times \mathcal{B}(\text{J}/\psi \rightarrow \text{e}^+ \text{e}^-))$ in pp collisions at (\sqrt{s})=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	13

252	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
251	Study of Z production in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
250	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
249	Observation of the rare $B(s)(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
248	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
247	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
246	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
245	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
244	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 325	4.2	24
243	Measurement of the forward-backward asymmetry in Λ_b^0 and $\bar{\Lambda}_b^0$ baryon production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	3
242	Precision measurement of the top-quark mass in lepton+jets final states. <i>Physical Review D</i> , 2015 , 91,	4.9	14
241	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
240	Measurement of the Effective Weak Mixing Angle in $pp \rightarrow Z/\gamma^* \rightarrow e^+e^-$ Events. <i>Physical Review Letters</i> , 2015 , 115, 041801	7.4	12
239	Search for Violation of CPT and Lorentz Invariance in $B_s(0)$ Meson Oscillations. <i>Physical Review Letters</i> , 2015 , 115, 161601	7.4	6
238	Inclusive Production of the X(4140) State in $pp \rightarrow$ Collisions at D0. <i>Physical Review Letters</i> , 2015 , 115, 232001	7.4	32
237	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P08010-P08010	1	141
236	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s}=8$ TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P02006-P02006	1	84
235	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

234	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	19
233	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
232	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
231	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
230	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
229	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
228	Search for a light charged Higgs boson decaying to $(\overline{\text{charm}} + \text{charm})$ in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5-4	33
227	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
226	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	
225	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
224	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 212	4-2	399
223	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments. <i>Physical Review Letters</i> , 2015 , 114, 191803	7-4	709
222	Measurement of the $Z\ell\bar{\ell}$ 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
221	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
220	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
219	Measurements of the [Formula: see text][Formula: see text] production cross sections in the [Formula: see text] channel in proton-proton collisions at [Formula: see text] and [Formula: see text] and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , 2015 , 75, 511	4-2	25
218	Comparison of the $Z/\ell + \text{jets}$ to $\ell + \text{jets}$ cross sections in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5
217	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

216	Measurement of the W+b-jet and W+c-jet differential production cross sections in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 6-14	4.2	4
215	Measurement of the ($\overline{t}t$) production cross section in the dilepton channel in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	43
214	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at ($\sqrt{s_{NN}}$) = 2.76 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
213	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
212	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
211	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
210	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
209	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
208	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
207	Measurement of jet multiplicity distributions in [Formula: see text] production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3014	4.2	11
206	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
205	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
204	. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
203	Evidence for the 125 GeV Higgs boson decaying to a pair of $\ell\ell$ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	101
202	Search for $W^? \rightarrow b\bar{b}$ 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
201	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
200	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
199	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	48

198	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
197	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
196	Precision measurement of the top quark mass in lepton + jets final States. <i>Physical Review Letters</i> , 2014 , 113, 032002	7.4	39
195	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
194	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2901	4.2	13
193	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
192	Observation of the associated production of a single top quark and a W boson in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 231802	7.4	62
191	Observation and studies of double J/ψ production at the Tevatron. <i>Physical Review D</i> , 2014 , 90,	4.9	45
190	Measurement of prompt $(2S)$ to J/ψ yield ratios in Pb-Pb and p-p collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2014 , 113, 262301	7.4	38
189	Measurement of the direct CP-violating parameter ACP in the decay $D^+ \rightarrow K^0 \pi^+$. <i>Physical Review D</i> , 2014 , 90,	4.9	4
188	Measurement of differential $t\bar{t}$ production cross sections in pp collisions. <i>Physical Review D</i> , 2014 , 90,	4.9	28
187	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
186	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
185	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
184	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
183	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
182	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
181	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}	1.2	20

180	Alignment of the CMS tracker with LHC and cosmic ray data. <i>Journal of Instrumentation</i> , 2014 , 9, P06009-P06009, 24		
179	Measurement of the electric charge of the top quark in $t\bar{t}$ events. <i>Physical Review D</i> , 2014 , 90,	4.9	5
178	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
177	Search for top squark and Higgsino production using diphoton Higgs boson decays. <i>Physical Review Letters</i> , 2014 , 112, 161802	7.4	38
176	Measurement of the W boson mass with the D0 detector. <i>Physical Review D</i> , 2014 , 89,	4.9	18
175	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
174	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
173	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
172	Search for top-quark partners with charge 5/3 in the same-sign dilepton final state. <i>Physical Review Letters</i> , 2014 , 112, 171801	7.4	58
171	Double parton interactions in $\bar{t}b$ jet and $\bar{t}b$ /cjet+2 jet events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	27
170	Search for flavor-changing neutral currents in top-quark decays $t \rightarrow Zq$ in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 171802	7.4	46
169	Measurement of the W boson production charge asymmetry in pp $W+X \rightarrow eX$ events at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 151803	7.4	14
168	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
167	Constraints on models for the Higgs boson with exotic spin and parity in $VH \rightarrow \gamma b\bar{b}$ final states. <i>Physical Review Letters</i> , 2014 , 113, 161802	7.4	5
166	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
165	Measurement of the direct CP-violating charge asymmetry in $D_s \rightarrow \pi^0 \pi^\pm$ decays. <i>Physical Review Letters</i> , 2014 , 112, 111804	7.4	3
164	Measurement of the differential $\bar{t}b$ -jet cross section and the ratio $(\bar{t}b\text{-jets})/(\bar{t}b\text{-jet})$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 737, 357-365	4.2	6
163	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

162	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
161	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
160	Description and performance of track and primary-vertex reconstruction with the CMS tracker. <i>Journal of Instrumentation</i> , 2014 , 9, P10009-P10009	1	279
159	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	32
158	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
157	Measurement of the ($\overline{t}t$) production cross section in the dilepton channel in pp collisions at (\sqrt{s}) = 8 TeV 2014 , 2014, 1		3
156	Search for the associated production of the Higgs boson with a top-quark pair 2014 , 2014, 1		6
155	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
154	Measurement of the (Λ_{b}^0) lifetime in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	14
153	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
152	Study of exclusive two-photon production of $W+W\gamma$ in pp collisions at ($\sqrt{s}=7$) TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	56
151	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
150	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
149	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
148	Measurement of the ($\overline{t}t$) 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
147	Measurement of the X(3872) production cross section via decays to $J/\psi \gamma$ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	44
146	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
145	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

144	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
143	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	30
142	Search for exotic resonances decaying into WZ/ZZ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	16
141	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
140	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2469	4.2	49
139	Measurement of the muon charge asymmetry in $pp \rightarrow W+X \rightarrow \ell X$ events at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	23
138	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
137	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
136	Measurement of masses in the [Formula: see text] system by kinematic endpoints in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2494	4.2	37
135	Search for physics beyond the standard model in events with leptons, jets, and large transverse momentum imbalance in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2493	4.2	10
134	Measurement of the $(\bar{t}t)$ production cross section in the ℓ jets channel in pp collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	21
133	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2674	4.2	24
132	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
131	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
130	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
129	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at ($\sqrt{s} = 7$ 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
128	Measurement of the $W+W$ cross section in pp collisions at ($\sqrt{s} = 7$ TeV) and limits on anomalous WW and WWZ couplings. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	56
127	Measurement of the ZZ production cross section and search for anomalous couplings in $2\ell\ell$ final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39

126	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or \bar{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
125	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	12
124	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
123	Studies of W boson plus jets production in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	16
122	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
121	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
120	Search for a Higgs boson in diphoton final states with the D0 detector in 9.6 fb^{-1} of $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	7
119	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
118	Measurement of the asymmetry in angular distributions of leptons produced in dilepton $t\bar{t}$ final states in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	34
117	Search for the Higgs boson in lepton, tau, and jets final states. <i>Physical Review D</i> , 2013 , 88,	4.9	5
116	Measurement of leptonic asymmetries and top-quark polarization in $t\bar{t}$ production. <i>Physical Review D</i> , 2013 , 87,	4.9	30
115	Measurement of the differential cross section of photon plus jet production in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	9
114	Search for anomalous quartic $WW \rightarrow$ couplings in dielectron and missing energy final states in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	27
113	Search for Higgs boson production in oppositely charged dilepton and missing energy final states in 9.7 fb^{-1} of $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	6
112	Search for the rare decay $B_s^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	13
111	Measurement of the ratio of differential cross sections $(\sigma(pp \rightarrow Z+b \text{ jet})/(\sigma(pp \rightarrow Z+\text{jet}))$ in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	13
110	Search for $ZH \rightarrow \mu^+ \mu^- b\bar{b}$ production in 9.7 fb^{-1} of $pp \rightarrow$ collisions with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4.9	5
109	Search for the standard model Higgs boson in $b\bar{b}$ jets final states in 9.7 fb^{-1} of $pp \rightarrow$ collisions with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4.9	8

108	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
107	Combined search for the Higgs boson with the D0 experiment. <i>Physical Review D</i> , 2013 , 88,	4.9	16
106	Search for charged massive long-lived particles at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	7
105	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of Instrumentation</i> , 2013 , 8, P09009-P09009	1	111
104	Identification of b-quark jets with the CMS experiment. <i>Journal of Instrumentation</i> , 2013 , 8, P04013-P04013		376
103	Study of high-pT charged particle suppression in PbPb compared to pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76\text{--}\mathrm{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	316
102	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76\text{--}\mathrm{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	158
101	Jet production rates in association with W and Z bosons in pp collisions at ($\sqrt{s}=7\text{--}\mathrm{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	37
100	Exclusive B \bar{B} production in proton-proton collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
99	Inclusive b-jet production in pp collisions at ($\sqrt{s}=7\text{--}\mathrm{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	30
98	Search for quark compositeness in dijet angular distributions from pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	12
97	Suppression of non-prompt J/ ψ prompt J/ ψ and (Υ)(1S) in PbPb collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	184
96	Search for heavy bottom-like quarks in 4.9 fb $^{-1}$ of pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	44
95	Measurement of the cross section for production of ($\bar{b}X$) decaying to muons in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	3
94	Measurement of the Z/ γ + 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
93	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ($\sqrt{s}=7\text{--}\mathrm{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	27
92	Search for anomalous production of multilepton events in pp collisions at ($\sqrt{s}=7\text{--}\mathrm{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	65
91	Search for a light charged Higgs boson in top quark decays in pp collisions at ($\sqrt{s}=7\text{--}\mathrm{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	101

90	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
89	Search for stopped long-lived particles produced in pp collisions at ($\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	17
88	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
87	Measurement of the underlying event activity in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV with the novel jet-area/median approach. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	11
86	Search for anomalous ($\overline{t}t$) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	57
85	Search for dark matter and large extra dimensions in monojet events in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	155
84	Search for a fermiophobic Higgs boson in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	13
83	Search for supersymmetry in hadronic final states using M T2 in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	92
82	Measurement of the ($\overline{t}t$) 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
81	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
80	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	10
79	Search for resonant ($\overline{t}t$) production in lepton+jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	25
78	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
77	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
76	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at ($\sqrt{s}=7$ TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	12
75	Measurement of the top-quark mass in ($\overline{t}t$) events with lepton+jets final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	30
74	Measurement of the relative branching ratio of $B_{s0} \rightarrow \mu^+ \mu^- (980)$ to $B_{s0} \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2012 , 85,	4-9	29
73	Model independent search for new phenomena in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4-9	5

72	$Z\bar{Z}$ production and limits on anomalous $ZZ\gamma$ and $ZZ\gamma\gamma$ couplings in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	19
71	Improved determination of the width of the top quark. <i>Physical Review D</i> , 2012 , 85,	4.9	53
70	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	30
69	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at ($\sqrt{s} = 0.9, 2.76, 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	133
68	A search for a doubly-charged Higgs boson in pp collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	111
67	Measurement of the top-quark mass in ($\mathbf{t}\overline{\mathbf{t}}$) events with dilepton final states in pp collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	36
66	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	17
65	Measurement of the relative prompt production rate of $\gamma\gamma$ and $W\gamma$ in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2251	4.2	46
64	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
63	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. <i>Journal of Instrumentation</i> , 2012 , 7, P10002-P10002	1	398
62	Measurements of WW and WZ production in W + jets final states in pp collisions. <i>Physical Review Letters</i> , 2012 , 108, 181803	7.4	17
61	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at ($\sqrt{s}= 7$) TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	11
60	J/ψ and $\psi(2S)$ production in pp collisions at ($\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	69
59	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	11
58	Search for a Higgs boson in the decay channel $H \rightarrow ZZ(*) \rightarrow q(\overline{q}) \ell\ell$ in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	21
57	Search for microscopic black holes in pp collisions at ($\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
56	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
55	Measurement of the mass difference between top and antitop quarks. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13

54	Observation of a narrow mass state decaying into $(1S)+\pi$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	37
53	Search for $Z\ell\bar{\ell}$ events with large missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	7
52	Search for WH associated production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	6
51	Measurement of the top-quark mass in pp collisions using events with two leptons. <i>Physical Review D</i> , 2012 , 86,	4.9	18
50	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
49	Search for a narrow $t\bar{t}$ resonance in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	28
48	Measurement of the semileptonic charge asymmetry in B^0 meson mixing with the D0 detector. <i>Physical Review D</i> , 2012 , 86,	4.9	38
47	Measurement of the differential cross section $d\sigma/dt$ in elastic pp scattering at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	41
46	Study of the decay $B_s^0 \rightarrow \rho^0(1525) \pi^0$ in $B\pi$ final states. <i>Physical Review D</i> , 2012 , 86,	4.9	9
45	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
44	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	47
43	Measurement of the CP-violating phase ϕ_{SJ} using the flavor-tagged decay $B_s^0 \rightarrow \rho^0 \pi^0$ in 8 fb of pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	70
42	Measurement of the B^0 lifetime in the exclusive decay $B^0 \rightarrow \rho^0 \pi^0$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	17
41	Performance of \bar{b} -lepton reconstruction and identification in CMS. <i>Journal of Instrumentation</i> , 2012 , 7, P01001-P01001	1	81
40	Missing transverse energy performance of the CMS detector. <i>Journal of Instrumentation</i> , 2011 , 6, P09001-P09004	1	4
39	Measurement of the $(\bar{t}t)$ 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
38	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	10
37	Measurement of the $(t\bar{t})$ production cross section and the top quark mass in the dilepton channel in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	48

36	Long-range and short-range dihadron angular correlations in central PbPb collisions at ($\sqrt{s_{\text{NN}}}$) = 2.76 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	56
35	Search for light resonances decaying into pairs of muons as a signal of new physics. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	12
34	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	28
33	Search for same-sign top-quark pair production at (\sqrt{s} = 7) TeV and limits on flavour changing neutral currents in the top sector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	39
32	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
31	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ($\sqrt{s_{\text{NN}}}$) = 2.76) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	87
30	Search for new physics with jets and missing transverse momentum in pp collisions at (\sqrt{s} = 7) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	46
29	Search for supersymmetry in pp collisions at (\sqrt{s} = 7) TeV in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
28	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
27	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
26	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
25	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
24	Measurement of the W boson helicity in top quark decays using 5.4 fb of pp collision data. <i>Physical Review D</i> , 2011 , 83,	4-9	33
23	Measurement of $\sin 2\theta_{\text{eff}}$ and Z-light quark couplings using the forward-backward charge asymmetry in pp $\rightarrow Z/\gamma \rightarrow e^+e^-$ events with $L=5.0$ fb at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4-9	21
22	Precise measurement of the top-quark mass from lepton+jets events at D0. <i>Physical Review D</i> , 2011 , 84,	4-9	32
21	Measurement of the ZZ production cross section in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4-9	12
20	Search for first generation leptoquark pair production in the electron + missing energy + jets final state. <i>Physical Review D</i> , 2011 , 84,	4-9	14
19	Measurement of the anomalous like-sign dimuon charge asymmetry with 9 fb of pp collisions. <i>Physical Review D</i> , 2011 , 84,	4-9	88

18	Direct measurement of the mass difference between top and antitop quarks. <i>Physical Review D</i> , 2011 , 84,	4.9	25
17	Measurement of the ratio of inclusive cross sections $\sigma(\text{pp} \rightarrow Z + b\bar{b} \text{quark jet}) / \sigma(\text{pp} \rightarrow Z + \text{jet})$ at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	13
16	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
15	Azimuthal decorrelations and multiple parton interactions in ≥ 2 jet and ≥ 3 jet events in $\text{pp} \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	22
14	Measurement of color flow in $t\bar{t}$ events from $\text{pp} \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	14
13	Search for associated Higgs boson production using like charge dilepton events in $\text{pp} \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	9
12	Measurement of the production fraction times branching fraction $f(b \rightarrow B)B(B \rightarrow J/\psi)$ <i>Physical Review D</i> , 2011 , 84,	4.9	15
11	Forward-backward asymmetry in top quark-antiquark production. <i>Physical Review D</i> , 2011 , 84,	4.9	170
10	Determination of jet energy calibration and transverse momentum resolution in CMS. <i>Journal of Instrumentation</i> , 2011 , 6, P11002-P11002	1	463
9	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review D</i> , 2010 , 82,	4.9	123
8	Search for sneutrino production in e^+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
7	Search for CP violation in $B_s^0 \rightarrow D_s^\pm$ decays in $\text{pp} \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	26
6	Measurement of $t\bar{t}$ production in the ≥ 2 jets topology using $\text{pp} \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	13
5	Measurement of the $t\bar{t}$ cross section using high-multiplicity jet events. <i>Physical Review D</i> , 2010 , 82,	4.9	11
4	Measurement of trilinear gauge boson couplings from $WW+WZ \rightarrow$ events in $\text{pp} \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 80,	4.9	12
3	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
2	Combination of $t\bar{t}$ cross section measurements and constraints on the mass of the top quark and its decays into charged Higgs bosons. <i>Physical Review D</i> , 2009 , 80,	4.9	51
1	Measurement of the top quark mass in final states with two leptons. <i>Physical Review D</i> , 2009 , 80,	4.9	18

