

# Stefano Belforte

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1649916/stefano-belforte-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.

620

papers

25,889

citations

74

h-index

129

g-index

633

ext. papers

28,409

ext. citations

5.3

avg, IF

2.33

L-index

#	Paper	IF	Citations
620	Observation of Top Quark Production in p-bar p Collisions with the Collider Detector at Fermilab. <i>Physical Review Letters</i> , <b>1995</b> , 74, 2626-2631	7.4	1067
619	Measurement of the J/ψ meson and b-hadron production cross sections in pp collisions at s=1960 GeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	596
618	Observation of the narrow state X(3872)→J/ψπ <sup>+</sup> π <sup>-</sup> in pp collisions at square root of s=1.96 TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 072001	7.4	469
617	The CDF detector: an overview. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1988</b> , 271, 387-403	1.2	415
616	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 212	4.2	399
615	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	389
614	Evidence for top quark production in p-bar p collisions at sqrt s =1.8 TeV. <i>Physical Review D</i> , <b>1994</b> , 50, 2966-3026	4.9	384
613	Study of high-p <sub>T</sub> charged particle suppression in PbPb compared to pp collisions at (sqrt{s <sub>NN</sub> }=2.76~mathrm{TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	316
612	J/ψ and ψ(2S) Production in pp Collisions at sqrt s=1.8TeV. <i>Physical Review Letters</i> , <b>1997</b> , 79, 572-577	7.4	278
611	Observation of Bs(0)-Bs(0) oscillations. <i>Physical Review Letters</i> , <b>2006</b> , 97, 242003	7.4	274
610	Observation of a new boson with mass near 125 GeV in pp collisions at ( sqrt{s}=7 ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	261
609	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 235	4.2	250
608	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , <b>2016</b> , 76, 155	4.2	250
607	Observation of the Bc Meson in pp Collisions at sqrt s=1.8 TeV. <i>Physical Review Letters</i> , <b>1998</b> , 81, 2432-2437	7.4	242
606	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3076	4.2	239
605	Inclusive J/ψ, ψ(2S), and b-quark production in p-bar p collisions at sqrt s =1.8 TeV. <i>Physical Review Letters</i> , <b>1992</b> , 69, 3704-3708	7.4	230
604	Production of J/ψ Mesons from B Meson Decays in pp Collisions at sqrt s=1.8TeV. <i>Physical Review Letters</i> , <b>1997</b> , 79, 578-583	7.4	221

603	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $\sqrt{s}=1.96$ TeV using lepton + jets events with secondary vertex $b$ -tagging. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	217
602	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> , <b>2010</b> , 2010, 1	5.4	201
601	Double parton scattering in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>1997</b> , 56, 3811-3832	4.9	199
600	Suppression of non-prompt $J/\psi$ and $(\Upsilon)(1S)$ in PbPb collisions at ( $\sqrt{s_{NN}} = 2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	184
599	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in $pp$ collisions at 8 TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3036	4.2	183
598	Observation of $B_c$ mesons in $pp$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	173
597	Transverse-momentum distributions of charged particles produced in $p$ - $\bar{p}$ interactions at $\sqrt{s}=630$ and 1800 GeV. <i>Physical Review Letters</i> , <b>1988</b> , 61, 1819-1822	7.4	172
596	Pseudorapidity distributions of charged particles produced in $p$ - $\bar{p}$ interactions at $\sqrt{s}=630$ and 1800 GeV. <i>Physical Review D</i> , <b>1990</b> , 41, 2330-2333	4.9	171
595	Measurement of the antiproton-proton total cross section at $\sqrt{s}=546$ and 1800 GeV. <i>Physical Review D</i> , <b>1994</b> , 50, 5550-5561	4.9	164
594	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> , <b>2013</b> , 73, 1	4.2	162
593	Analysis of the quantum numbers $J(PC)$ of the $X(3872)$ particle. <i>Physical Review Letters</i> , <b>2007</b> , 98, 132002	7.4	159
592	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ( $\sqrt{s_{NN}}= 2.76$ TeV). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	158
591	Search for dark matter and large extra dimensions in monojet events in $pp$ collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	155
590	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 421	4.2	153
589	Search for heavy neutrinos and $[Formula: see text]$ bosons with right-handed couplings in proton-proton collisions at $[Formula: see text]$ . <i>European Physical Journal C</i> , <b>2014</b> , 74, 3149	4.2	149
588	Measurement of Higgs boson production and properties in the $WW$ decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	144
587	Search for New Gauge Bosons Decaying into Dileptons in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1997</b> , 79, 2192-2197	7.4	140
586	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> , <b>2012</b> , 72, 1	4.2	133

585	Measurement of the $B_s^0$ - $B_s^0$ oscillation frequency. <i>Physical Review Letters</i> , <b>2006</b> , 97, 062003	7.4	133
584	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2980	4.2	131
583	The CDF central and endwall hadron calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1988</b> , 267, 301-314 <sup>1.2</sup>	1.2	131
582	Measurement of prompt charm meson production cross sections in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2003</b> , 91, 241804	7.4	125
581	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	125
580	Upsilon production and polarization in p p macro collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2002</b> , 88, 161802	7.4	125
579	Measurement of the inclusive W and Z production cross sections in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	121
578	Prompt and non-prompt $J/\psi$ production in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	118
577	The CDF Silicon Vertex Trigger. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 518, 532-536	1.2	113
576	Top quark mass measurement using the template method in the lepton+jets channel at CDF II. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	112
575	A search for a doubly-charged Higgs boson in pp collisions at ( $\sqrt{s} = 7$ mbox{TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	111
574	Diffraction dijets with a leading antiproton in $p\bar{p}$ collisions at $\sqrt{s}$ . <i>Physical Review Letters</i> , <b>2000</b> , 84, 5043-8	7.4	105
573	Measurements of inclusive W and Z cross sections in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	104
572	Measurement of the dipion mass spectrum in decays. <i>Physical Review Letters</i> , <b>2006</b> , 96, 102002	7.4	104
571	Measurement of differential top-quark-pair production cross sections in pp collisions at ( $\sqrt{s} = 7$ $\mathrm{TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	102
570	Evidence for the 125 GeV Higgs boson decaying to a pair of $\Pi$ leptons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	101
569	Search for a light charged Higgs boson in top quark decays in pp collisions at ( $\sqrt{s} = 7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	101
568	Search for charged Higgs bosons from top quark decays in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 042003	7.4	101

567	Transverse momentum and total cross section of $e^{+}e^{-}$ pairs in the Z-boson region from $p\bar{p}$ collisions at $\sqrt{s}$ . <i>Physical Review Letters</i> , <b>2000</b> , 84, 845-50	7.4	101
566	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , <b>2010</b> , 70, 1165-1192	4.2	99
565	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 542	4.2	98
564	First measurements of inclusive W and Z cross sections from run II of the Fermilab Tevatron collider. <i>Physical Review Letters</i> , <b>2005</b> , 94, 091803	7.4	97
563	Production of Upsilon(1S) mesons from $\chi(b)$ decays in $p\bar{p}$ collisions at $\sqrt{s}$ . <i>Physical Review Letters</i> , <b>2000</b> , 84, 2094-9	7.4	97
562	Searches for long-lived charged particles in pp collisions at ( $\sqrt{s}$ ) = 7 and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	96
561	Measurement of $p$ -bar single diffraction dissociation at $\sqrt{s} = 546$ and 1800 GeV. <i>Physical Review D</i> , <b>1994</b> , 50, 5535-5549	4.9	96
560	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> , <b>2012</b> , 2012, 1	5.4	92
559	Charged particle multiplicities in pp interactions at ( $\sqrt{s} = 0.9$ ), 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	89
558	Measurement of the inclusive jet cross section using the kT algorithm in pp collisions at $s = 1.96$ TeV with the CDF II detector. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	89
557	Search for doubly charged Higgs bosons decaying to dileptons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 221802	7.4	88
556	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ( $\sqrt{s_{NN}} = 2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	87
555	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. <i>Physical Review Letters</i> , <b>1997</b> , 79, 357-362	7.4	87
554	Search for supersymmetry in hadronic final states with missing transverse energy using the variables and b-quark multiplicity in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2568	4.2	82
553	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	81
552	Strange particle production in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	78
551	Observation of Diffractive W-Boson Production at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2698-2703	7.4	78
550	Measurement of bottom-quark hadron masses in exclusive J/psi decays with the CDF detector. <i>Physical Review Letters</i> , <b>2006</b> , 96, 202001	7.4	78

549	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	77
548	Upsilon production in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1995</b> , 75, 4358-4363	7-4	77
547	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	74
546	Searches for invisible decays of the Higgs boson in pp collisions at ( $\sqrt{s}$ ) = 7, 8, and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	74
545	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	73
544	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at ( $\sqrt{s_{\mathbb{N}\mathbb{N}}}$ ) = 2.76 TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	73
543	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>2001</b> , 64,	4-9	73
542	Search for gluinos and scalar quarks in pp collisions at square root[s] = 1.8 TeV using the missing energy plus multijets signature. <i>Physical Review Letters</i> , <b>2002</b> , 88, 041801	7-4	73
541	Measurement of the Top Quark Mass and $t\bar{t}$ Production Cross Section from Dilepton Events at the Collider Detector at Fermilab. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2779-2784	7-4	73
540	Measurement of the B+ total cross section and B+ differential cross section $d\sigma/dp_T$ in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4-9	72
539	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text]5.02[Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2847	4-2	71
538	A new boson with a mass of 125 GeV observed with the CMS experiment at the Large Hadron Collider. <i>Science</i> , <b>2012</b> , 338, 1569-75	33-3	71
537	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	70
536	Measurement of the single-top-quark t-channel cross section in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	70
535	Measurement of the underlying event activity at the LHC with ( $\sqrt{s} = 7$ ) TeV and comparison with ( $\sqrt{s} = 0.9$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	70
534	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab. <i>Physical Review Letters</i> , <b>1996</b> , 77, 5336-5341	7-4	70
533	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	69
532	$J/\psi$ and $\Upsilon(2S)$ production in pp collisions at ( $\sqrt{s} = 7$ {text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	69

531	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>1997</b> , 79, 2636-2641	7.4	69
530	Evidence for the exclusive decay $B(c)^+ \rightarrow J/\psi \pi^+$ and measurement of the mass of the $B(c)^+$ meson. <i>Physical Review Letters</i> , <b>2006</b> , 96, 082002	7.4	69
529	Limits on Quark-Lepton Compositeness Scales from Dileptons Produced in 1.8 TeV $pp$ Collisions. <i>Physical Review Letters</i> , <b>1997</b> , 79, 2198-2203	7.4	68
528	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $\sqrt{s}=1.96$ TeV using lepton+jets events with jet probability b-tagging. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	68
527	Measurement of the Top Quark Mass with the Collider Detector at Fermilab. <i>Physical Review Letters</i> , <b>1999</b> , 82, 271-276	7.4	68
526	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at ( $\sqrt{s_{\text{NN}}}=5.02$ ) (TeV). <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	67
525	Observation of exclusive electron-positron production in hadron-hadron collisions. <i>Physical Review Letters</i> , <b>2007</b> , 98, 112001	7.4	67
524	Measurement of the $B_c^+$ meson lifetime using the decay mode $B_c^+ \rightarrow J/\psi e^+ \nu_e$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 012002	7.4	66
523	Search for anomalous production of multilepton events in $pp$ collisions at ( $\sqrt{s}=7$ , TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	65
522	Measurement of the Lepton Charge Asymmetry in W-Boson Decays Produced in $pp$ Collisions. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5754-5759	7.4	65
521	Charged-particle nuclear modification factors in PbPb and pPb collisions at ( $\sqrt{s_{\text{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	64
520	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> , <b>2012</b> , 2012, 1	5.4	64
519	Observation of rapidity gaps in $p\bar{p}$ collisions at 1.8 TeV. <i>Physical Review Letters</i> , <b>1995</b> , 74, 855-859	7.4	64
518	Search for $ZL \rightarrow e^+ e^-$ using dielectron mass and angular distribution. <i>Physical Review Letters</i> , <b>2006</b> , 96, 211801	7.4	63
517	Search for high-mass resonances in dilepton final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	63
516	Underlying event in hard interactions at the Fermilab Tevatron $p\bar{p}$ collider. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	62
515	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , <b>2020</b> , 80, 4	4.2	61
514	Study of double parton scattering using W + 2-jet events in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	61

513	Search for a charged Higgs boson in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	61
512	Search for neutral Higgs bosons of the minimal supersymmetric standard model decaying to tau pairs in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 011802	7-4	61
511	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> , <b>2005</b> , 71,	4-9	61
510	Prompt photon cross section measurement in p-p collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , <b>1993</b> , 48, 2998-3025	4-9	61
509	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at ( $\sqrt{s_{NN}}$ ) = 2.76 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	60
508	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	59
507	Measurement of the tt production cross section in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 082004	7-4	59
506	Search for the decays $B_d^0 \rightarrow \mu^+\mu^-$ and $B_s^0 \rightarrow \mu^+\mu^-$ in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>1998</b> , 57, R3811-R3816	4-9	59
505	Dijet Production by Color-Singlet Exchange at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1156-1161	7-4	59
504	Suppression and azimuthal anisotropy of prompt and nonprompt [Formula: see text] production in PbPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 252	4-2	58
503	Study of jet shapes in inclusive jet production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4-9	58
502	Measurement of the tt production cross section in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2001</b> , 64,	4-9	58
501	Search for anomalous ( $\overline{t}$ ) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	57
500	Search for $B^0_s \rightarrow \mu^+\mu^-$ and $B^0_d \rightarrow \mu^+\mu^-$ decays in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 032001	7-4	57
499	Measurement of W-photon couplings in p-p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1995</b> , 74, 1936-1940	7-4	57
498	Study of exclusive two-photon production of $W+W$ in pp collisions at ( $\sqrt{s}=7$ ) TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	56
497	Measurement of the $W+W$ cross section in pp collisions at ( $\sqrt{s} = 7$ TeV) and limits on anomalous $WW$ and $WWZ$ couplings. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	56
496	Long-range and short-range dihadron angular correlations in central PbPb collisions at ( $\sqrt{s_{NN}}$ ) = 2.76 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	56



495	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. <i>European Physical Journal C</i> , <b>2015</b> , 75, 251	4.2	55
494	Measurement of the tt production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using dilepton events. <i>Physical Review Letters</i> , <b>2004</b> , 93, 142001	7.4	55
493	Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 710	4.2	54
492	Search for ( $B_{(s)}$ ) decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	52
491	Measurement of the W boson mass with the Collider Detector at Fermilab. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	52
490	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 147	4.2	50
489	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	50
488	Observation of $B(s)0 \rightarrow K^+ K^-$ and measurements of branching fractions of charmless two-body decays of $B0$ and $B(s)0$ mesons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 211802	7.4	50
487	Measurement of the lifetime difference between $B_s$ mass eigenstates. <i>Physical Review Letters</i> , <b>2005</b> , 94, 101803	7.4	50
486	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2469	4.2	49
485	Search for scalar top and scalar bottom quarks in pp collisions at square root $s=1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 84, 5704-9	7.4	49
484	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> , <b>2015</b> , 75, 237	4.2	48
483	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	48
482	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> , <b>2011</b> , 2011, 1	5.4	48
481	Measurement of $\sigma(\chi_{c2} \rightarrow J/\psi \gamma) / \sigma(\chi_{c1} \rightarrow J/\psi \gamma)$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 232001	7.4	47
480	Comparison of the isolated direct photon cross sections in pp collisions at $s=1.8$ TeV and $s=0.63$ TeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	47
479	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	46
478	Measurement of the relative prompt production rate of and in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2251	4.2	46

477	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	46
476	Search for new physics with jets and missing transverse momentum in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	46
475	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	45
474	Exclusive $\tilde{\chi}_0^0 \tilde{\chi}_1^0$ production in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
473	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	45
472	Search for exclusive or semi-exclusive $\tilde{\chi}_0^0$ production and observation of exclusive and semi-exclusive $e^+e^-$ production in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
471	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2283	4-2	45
470	Measurement of the $B^+$ production cross section in pp collisions at $s=1960$ GeV. <i>Physical Review D</i> , <b>2007</b> , 75,	4-9	45
469	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \eta$ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	44
468	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> , <b>2012</b> , 2012, 1	5-4	44
467	Charged particle transverse momentum spectra in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	44
466	Measurement of the forward-backward charge asymmetry of electron-positron pairs in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4-9	44
465	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> , <b>2014</b> , 2014, 1	5-4	43
464	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	43
463	Search for leptonic decays of $W^\pm$ bosons in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	43
462	Event activity dependence of ( $\Upsilon$ )(nS) production in ( $\sqrt{s_{NN}}$ ) = 5.02 TeV pPb and ( $\sqrt{s}$ ) = 2.76 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	42
461	Searches for New Physics in Diphoton Events in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 81, 1791-1796	7-4	42
460	Comparison of jet production in p-barp collisions at $\sqrt{s} = 546$ and 1800 GeV. <i>Physical Review Letters</i> , <b>1993</b> , 70, 1376-1380	7-4	42

459	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , <b>2015</b> , 75, 186	4.2	41
458	Measurement of prompt $J/\psi$ pair production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	41
457	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	41
456	Search for large extra dimensions in the production of jets and missing transverse energy in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 171802	7.4	41
455	Measurement of the inelastic proton-proton cross section at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	41
454	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	40
453	Soft and hard interactions in pp collisions at $s=1800$ and 630 GeV. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	40
452	Searches for new physics in diphoton events in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>1999</b> , 59,	4.9	40
451	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	39
450	Study of the underlying event at forward rapidity in pp collisions at $(\sqrt{s}=0.9, 2.76, 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	39
449	Measurement of the ZZ production cross section and search for anomalous couplings in ZZ final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	39
448	Search for same-sign top-quark pair production at $(\sqrt{s} = 7)$ TeV and limits on flavour changing neutral currents in the top sector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	39
447	Search for new high-mass particles decaying to Lepton pairs in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 252001	7.4	39
446	Search for natural and split supersymmetry in proton-proton collisions at $(\sqrt{s}=13)$ TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	39
445	Search for new physics in events with same-sign dileptons and jets in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	38
444	Search for microscopic black holes in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	38
443	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	38
442	Observation of $B_0 \rightarrow J/\psi K_S$ at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , <b>1997</b> , 55, 1142-1152.	9	38

441	Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at the collider detector at Fermilab. <i>Physical Review Letters</i> , <b>2005</b> , 95, 102002	7.4	38
440	Search for new physics using high-mass tau pairs from 1.96 TeV pp collisions. <i>Physical Review Letters</i> , <b>2005</b> , 95, 131801	7.4	38
439	Measurement of the [Formula: see text] cross section in pp collisions at [Formula: see text] TeV and limits on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2016</b> , 76, 401	4.2	38
438	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 288	4.2	37
437	Measurement of the differential cross section and charge asymmetry for inclusive [Formula: see text] production at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 469	4.2	37
436	Measurement of associated W + charm production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	37
435	Jet production rates in association with W and Z bosons in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
434	Measurement of masses in the [Formula: see text] system by kinematic endpoints in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2494	4.2	37
433	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	37
432	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $(\sqrt{s} = 8)$ TeV by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	37
431	Measurement of the top quark mass using template methods on dilepton events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	37
430	Direct search for Dirac magnetic monopoles in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 201801	7.4	37
429	Limits on extra dimensions and new particle production in the exclusive photon and missing energy signature in pp collisions at square root $[s]=1.8$ TeV. <i>Physical Review Letters</i> , <b>2002</b> , 89, 281801	7.4	37
428	Two-jet invariant-mass distribution at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , <b>1990</b> , 41, 1722-1725	4.9	37
427	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	37
426	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , <b>2018</b> , 78, 509	4.2	37
425	Measurement of the top-quark mass in $(\overline{\text{t}}\text{t})$ events with dilepton final states in pp collisions at $(\sqrt{s}=7 \text{ TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	36
424	First measurement of the underlying event activity at the LHC with $(\sqrt{s} = 0.9)$ TeV. <i>European Physical Journal C</i> , <b>2010</b> , 70, 555-572	4.2	36

423	Evidence for $W+W$ Production in $p\bar{p}$ Collisions at $s=1.8\text{TeV}$ . <i>Physical Review Letters</i> , <b>1997</b> , 78, 4536-4540	7.4	36
422	Momentum distribution of charged particles in jets in dijet events in $pp$ collisions at $s=1.8\text{TeV}$ and comparisons to perturbative QCD predictions. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	36
421	Measurement of partial widths and search for direct CP violation in $D_0$ meson decays to $K-K^+$ and $\pi-\pi^+$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 122001	7.4	36
420	Measurement of jet shapes in $p\text{-}\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . <i>Physical Review Letters</i> , <b>1993</b> , 70, 713-717	7.4	36
419	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 451	4.2	36
418	Search for disappearing tracks in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	35
417	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in $pp$ collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 13	4.2	35
416	Search for the standard model Higgs boson produced in association with a top-quark pair in $pp$ collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	35
415	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	35
414	Measurement of the ( $\text{t}\bar{\text{t}}$ ) production cross section in $pp$ collisions at ( $\sqrt{s}=7$ ) TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	35
413	Measurement of the strong coupling constant from inclusive jet production at the Tevatron $pp$ collider. <i>Physical Review Letters</i> , <b>2002</b> , 88, 042001	7.4	35
412	Search for the charged Higgs boson in the decays of top quark pairs in the $e\bar{e}$ and $\mu\bar{\mu}$ channels at $s=1.8\text{TeV}$ . <i>Physical Review D</i> , <b>2000</b> , 62,	4.9	35
411	Measurement and QCD analysis of double-differential inclusive jet cross sections in $pp$ collisions at ( $\sqrt{s}=8$ ) TeV and cross section ratios to 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	34
410	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 439	4.2	34
409	Search for microscopic black holes in $pp$ collisions at ( $\sqrt{s} = 7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
408	Search for heavy stable charged particles in $pp$ collisions at ( $\sqrt{s} = 7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	34
407	Measurement of the cross section for $t\bar{t}$ production in $pp$ collisions using the kinematics of lepton+jets events. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	34
406	Double diffraction dissociation at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , <b>2001</b> , 87, 141802	7.4	34

405	Evidence for color coherence in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>1994</b> , 50, 5562-5579	4-2	34
404	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 151	4-2	33
403	Search for new physics in events with same-sign dileptons and b jets in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	33
402	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	33
401	Search for a light charged Higgs boson decaying to ( $\overline{\text{c}}\text{s}$ ) in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-37	5-4	33
400	Measurement of the inclusive jet cross section using the kT algorithm in pp collisions at ( $\sqrt{s}=1.96$ TeV). <i>Physical Review Letters</i> , <b>2006</b> , 96, 122001	7-4	33
399	Search for [corrected] $B_0(s) \rightarrow \mu^+ \mu^-$ and $B_0(d)$ [corrected] $\rightarrow \mu^+ \mu^-$ decays in pp collisions with CDF II. <i>Physical Review Letters</i> , <b>2005</b> , 95, 221805	7-4	33
398	Measurement of the cross section for prompt diphoton production in pp collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 022003	7-4	33
397	Limits on Z-photon couplings from p-p-bar interactions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1995</b> , 74, 1941-1945	7-4	33
396	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	32
395	Search for resonances in the dilepton mass distribution in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	32
394	Search for supersymmetry in pp collisions at ( $\sqrt{s}=7$ ) TeV in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	32
393	Measurement of the Drell-Yan cross section in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	32
392	Search for electroweak single-top-quark production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4-9	32
391	First measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ and associated limit on the Cabibbo-Kobayashi-Maskawa element $V_{tb}$ . <i>Physical Review Letters</i> , <b>2001</b> , 86, 3233-8	7-4	32
390	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV using lepton plus jets events with semileptonic B decays to muons. <i>Physical Review D</i> , <b>2005</b> , 72,	4-9	31
389	Evidence for $B_0 \rightarrow \phi\phi$ decay and measurements of branching ratio and $A(\text{CP})$ for $B^+ \rightarrow \phi K^+$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 031801	7-4	31
388	Measurement of the ( $\overline{\text{t}}\text{t}$ ) production cross section in the e channel in proton-proton collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	30

387	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	30
386	Inclusive b-jet production in pp collisions at ( $\sqrt{s} = 7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	30
385	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	30
384	Measurement of the top-quark mass in ( $\overline{\text{t}}\text{t}$ ) events with lepton+jets final states in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	30
383	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at ( $\sqrt{s} = 7\text{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	30
382	Precision top-quark mass measurement in the lepton+jets topology in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 022004	7-4	30
381	Measurement of the inclusive jet cross section in pp interactions at $s=1.96$ TeV using a cone-based jet algorithm. <i>Physical Review D</i> , <b>2006</b> , 74,	4-9	30
380	Measurement of $W$ and $Z$ production in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 041803	7-4	30
379	Events with a Rapidity Gap between Jets in pp Collisions at $\sqrt{s}=630\text{GeV}$ . <i>Physical Review Letters</i> , <b>1998</b> , 81, 5278-5283	7-4	30
378	Measurement of the cross section for production of two isolated prompt photons in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1993</b> , 70, 2232-2236	7-4	30
377	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 165	4-2	29
376	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable $\beta_T$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	29
375	Observation of $Y(1S)$ pair production in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	29
374	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3060	4-2	29
373	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> , <b>2014</b> , 74, 3129	4-2	29
372	Search for excited quarks in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1994</b> , 72, 3004-3008	7-4	29
371	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> , <b>2016</b> , 2016, 1	5-4	28
370	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	28

369	Search for high-mass resonances decaying to $e\mu$ in pp collisions at square root = 1.69 TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 211802	7.4	28
368	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV using kinematic fitting of b-tagged lepton+jet events. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	28
367	Measurement of b-quark fragmentation fractions in p&macr; collisions at sqrt. <i>Physical Review Letters</i> , <b>2000</b> , 84, 1663-8	7.4	28
366	Ratios of bottom meson branching fractions involving J/psi mesons and determination of b quark fragmentation fractions. <i>Physical Review D</i> , <b>1996</b> , 54, 6596-6609	4.9	28
365	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	28
364	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 368	4.2	27
363	Evidence for exclusive $\bar{B} \rightarrow W + W$ 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> , <b>2016</b> , 2016, 1	5.4	27
362	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ( $\sqrt{s}=7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	27
361	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> , <b>2011</b> , 2011, 1	5.4	27
360	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	27
359	Search for long-lived doubly charged Higgs bosons in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 071801	7.4	27
358	Jet-fragmentation properties in p-barp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1990</b> , 65, 968-971	7.4	27
357	Measurement of prompt and nonprompt [Formula: see text] production in [Formula: see text] and [Formula: see text] collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 269	4.2	26
356	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	26
355	Search for anomalous $Wtb$ couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	26
354	Searches for supersymmetry using the $M_{T2}$ variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	26
353	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at ( $\sqrt{s} = 7, \text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	26
352	Precision measurement of the top-quark mass from dilepton events at CDF II. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	26



351	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> , <b>2001</b> , 87, 131802	7.4	26
350	Measurement of the decay amplitudes of $B^0 \rightarrow J/\psi K^0$ and $B^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review Letters</i> , <b>2000</b> , 85, 4668-73	7.4	26
349	Measurement of $\Lambda_b$ Lifetime Using $\Lambda_b \rightarrow \Lambda + c$ . <i>Physical Review Letters</i> , <b>1996</b> , 77, 1439-1443	7.4	26
348	Measurement of the W-boson helicity in top-quark decays from $(\overline{\text{t}})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	25
347	Search for top squark pair production in pp collisions at $(\sqrt{s}=13)$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
346	Measurements of the $[t\bar{t}]$ production cross sections in the $[t\bar{t}]$ channel in proton-proton collisions at $[13]$ and $[8]$ TeV and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , <b>2015</b> , 75, 511	4.2	25
345	Search for resonant $(\overline{\text{t}})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	25
344	Measurements of bottom-antibottom azimuthal production correlations in proton-antiproton collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	25
343	Search for excited and exotic electrons in the $e\gamma$ decay channel in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 101802	7.4	25
342	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , <b>2016</b> , 76, 371	4.2	25
341	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , <b>2018</b> , 78, 701	4.2	25
340	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $[13]$ TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 325	4.2	24
339	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 75	4.2	24
338	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $[13]$ TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 372	4.2	24
337	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $[13]$ TeV. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2674	4.2	24
336	Measurement of the $Z/\gamma + b$ -jet cross section in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	24
335	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	24
334	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\ell 2\ell$ channel in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	24

333	Measurement of the helicity fractions of W bosons from top quark decays using fully reconstructed tt events with CDF II. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	24
332	Measurement of the top-quark mass in all-hadronic decays in pp collisions at CDF II. <i>Physical Review Letters</i> , <b>2007</b> , 98, 142001	7.4	24
331	Search for first-generation scalar leptoquarks in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	24
330	Optimized search for single-top-quark production at the Fermilab Tevatron. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	24
329	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P10017-P10017	1	23
328	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> , <b>2014</b> , 2014, 1	5.4	23
327	Measurement of $(pp \rightarrow Z)B(Z \rightarrow \tau\tau)$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	23
326	$K_S^0$ and $\bar{D}$ production studies in pp collisions at $\sqrt{s}=1800$ and 630 GeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	23
325	Direct photon cross section with conversions at CDF. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	23
324	Measurement of the $W^{(+)}W^{(-)}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using dilepton events. <i>Physical Review Letters</i> , <b>2005</b> , 94, 211801	7.4	23
323	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 707	4.2	23
322	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying leptons at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
321	Measurement of the $[B \rightarrow D^* \ell \bar{\nu}_\ell]$ production cross section using events in the $[B \rightarrow D^* \ell \bar{\nu}_\ell]$ final state in pp collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 172	4.2	22
320	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 845	4.2	22
319	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
318	Measurement of Bose-Einstein correlations in pp collisions at $(\sqrt{s}) = 0.9$ and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	22
317	Top quark mass measurement from dilepton events at CDF II with the matrix-element method. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	22
316	Measurement of the $\Lambda_b^0$ lifetime in $\Lambda_b^0 \rightarrow J/\psi \Lambda_b^0$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 122001	7.4	22

315	Measurement of the W boson polarization in top decay at CDF at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	22
314	Measurement of the ratio of b quark production cross sections in $p\bar{p}$ collisions at $s=630$ GeV and $s=1800$ GeV. <i>Physical Review D</i> , <b>2002</b> , 66,	4.9	22
313	Measurement of the WZ production cross section in pp collisions at [Formula: see text] and $8[\text{Formula: see text}]$ and search for anomalous triple gauge couplings at [Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 236	4.2	21
312	A search for new phenomena in pp collisions at [Formula: see text] in final states with missing transverse momentum and at least one jet using the [Formula: see text] variable. <i>European Physical Journal C</i> , <b>2017</b> , 77, 294	4.2	21
311	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 66	4.2	21
310	Correlations between jets and charged particles in PbPb and pp collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	21
309	Measurement of the [Formula: see text] production cross section in the all-jets final state in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 128	4.2	21
308	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	21
307	Measurement of the top-quark mass in all-jets [Formula: see text] events in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2758	4.2	21
306	Measurement of the $(\bar{t}t)$ production cross section in the $\bar{t}t$ jets channel in pp collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	21
305	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 578	4.2	21
304	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	21
303	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q(\bar{q}) \mu\mu$ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	21
302	Inclusive b-hadron production cross section with muons in pp collisions at ( $\sqrt{s}=7$ ; TeV). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	21
301	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	21
300	Search for New Particles Decaying into $b\bar{b}$ and Produced in Association with W Bosons Decaying into $e\bar{\nu}_e$ at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>1997</b> , 79, 3819-3824	7.4	21
299	Top-quark mass measurement from dilepton events at CDF II. <i>Physical Review Letters</i> , <b>2006</b> , 96, 152002	7.4	21
298	Search for V+A current in top-quark decays in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 072001	7.4	21

297	Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	21
296	Search for second-generation scalar leptoquarks in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	21
295	Search for Kaluza-Klein graviton emission in $pp$ collisions at square root $[s] = 1.8$ TeV using the missing energy signature. <i>Physical Review Letters</i> , <b>2004</b> , 92, 121802	7.4	21
294	Search for New Particles Decaying to $bb$ in $pp$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1999</b> , 82, 2038-2043	7.4	21
293	Measurement of transverse momentum relative to dijet systems in PbPb and $pp$ collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	21
292	Measurement of [Formula: see text] production with additional jet activity, including [Formula: see text] quark jets, in the dilepton decay channel using $pp$ collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 379	4.2	20
291	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 140	4.2	20
290	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 564	4.2	20
289	Measurement of the production cross section for pairs of isolated photons in $pp$ collisions at ( $\sqrt{s} = 7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	20
288	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	20
287	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 636	4.2	20
286	Search for $W$ boson decaying to electron-neutrino pairs in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	20
285	Measurement of the top quark mass with the dynamical likelihood method using lepton plus jets events with b-tags in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	20
284	Search for anomalous single top quark production in association with a photon in $pp$ collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
283	Measurements of the [Formula: see text] production cross section in lepton+jets final states in $pp$ collisions at 8 [Formula: see text] and ratio of 8 to 7 [Formula: see text] cross sections. <i>European Physical Journal C</i> , <b>2017</b> , 77, 15	4.2	19
282	Measurement of the W boson helicity in events with a single reconstructed top quark in $pp$ collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	19
281	Search for resonant and nonresonant Higgs boson pair production in the ( $\overline{b}b\ell\nu\ell\nu$ ) final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	19
280	Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 237	4.2	19

279	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 277	4.2	19
278	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	19
277	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	19
276	Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	19
275	Measurement of $\sigma(\Lambda_b^0)/\sigma(B^0 \times B)$ ( $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ )/ $B(B^0 \rightarrow D^+ \pi^-)$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 122002	7.4	19
274	Silicon vertex tracker: a fast precise tracking trigger for CDF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 447, 218-222	1.2	19
273	Observation of $B^+ \rightarrow \psi(2S)K^+$ and $B^0 \rightarrow \psi(2S)K^*(892)0$ decays and measurements of B-meson branching fractions into $J/\psi$ and $\psi(2S)$ final states. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	19
272	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 965	4.2	19
271	Search for new physics in dijet angular distributions using proton-proton collisions at and constraints on dark matter and other models. <i>European Physical Journal C</i> , <b>2018</b> , 78, 789	4.2	19
270	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 364	4.2	18
269	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> , <b>2015</b> , 2015, 1	5.4	18
268	Observation of top quark pairs produced in association with a vector boson in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	18
267	. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	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> , <b>2017</b> , 2017, 1	5.4	18
265	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying leptons and two jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	18
264	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
263	Diffraction dijet production at $\sqrt{s} = 630$ and 1800 GeV at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>2002</b> , 88, 151802	7.4	18
262	Search for ( $\overline{\text{t}}\text{H}$ ) production in the ( $\text{H}$ ) to ( $\overline{\text{b}}\text{b}$ ) decay channel with leptonic ( $\overline{\text{t}}\text{t}$ ) decays in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	17

261	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$ . <i>European Physical Journal C</i> , <b>2018</b> , 78, 291	4.2	17
260	Measurement of the inclusive jet cross section in pp collisions at $(\sqrt{s} = 2.76, \text{TeV})$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	17
259	Search for $(\overline{\text{t}}\text{t})$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	17
258	Searches for pair production of third-generation squarks in pp collisions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 327	4.2	17
257	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	17
256	Search for stopped long-lived particles produced in pp collisions at $(\sqrt{s} = \{7\text{TeV}\})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	17
255	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> , <b>2012</b> , 72, 1	4.2	17
254	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	17
253	Search for a neutral Higgs boson decaying to a W boson pair in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 081802	7.4	17
252	Measurement of the helicity of W bosons in top-quark decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	17
251	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> , <b>2003</b> , 90, 251801	7.4	17
250	Search for Higgs Bosons Produced in Association with a Vector Boson in pp Collisions at $\sqrt{s}=1.8\text{TeV}$ . <i>Physical Review Letters</i> , <b>1998</b> , 81, 5748-5753	7.4	17
249	Measurement of the Branching Fraction $B(B \rightarrow J/\psi \pi^+)$ and Search for $B \rightarrow c \rightarrow J/\psi \pi^+$ . <i>Physical Review Letters</i> , <b>1996</b> , 77, 5176-5181	7.4	17
248	Measurement of double-differential cross sections for top quark pair production in pp collisions at $(\sqrt{s}=13)$ TeV and impact on parton distribution functions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 459	4.2	16
247	Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 3	4.2	16
246	Search for new physics with the $M_{T2}$ variable in all-jets final states produced in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
245	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> , <b>2016</b> , 2016, 1	5.4	16
244	Measurement of WZ and ZZ production in pp collisions at $(\sqrt{s}=13)$ TeV in final states with b-tagged jets. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2973	4.2	16

243	Search for exotic resonances decaying into WZ/ZZ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	16
242	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
241	Search for new physics in photon-lepton events in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2002</b> , 89, 041802	7.4	16
240	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	16
239	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	16
238	Measurements of the associated production of a Z boson and b jets in pp collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 751	4.2	15
237	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	15
236	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	15
235	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
234	Search for supersymmetry in pp collisions at [Formula: see text] TeV in events with a single lepton, jets, and missing transverse momentum. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2404	4.2	15
233	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
232	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	15
231	Measurement of mass and width of the excited charmed meson states D10 and D2*0 at CDF. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	15
230	Measurement of the dijet mass distribution in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , <b>1993</b> , 48, 998-1008	4.9	15
229	Two-jet differential cross section in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1990</b> , 64, 157-160	7.4	15
228	Search for high-mass resonances in final states with a lepton and missing transverse momentum at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
227	Measurement of the jet mass in highly boosted [Formula: see text] events from pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 467	4.2	14
226	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 460	4.2	14

225	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	14
224	Measurement of the ( $\Lambda_{\text{b}}^0$ ) lifetime in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	14
223	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> , <b>2013</b> , 2013, 1	5-4	14
222	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> , <b>2017</b> , 2017, 1	5-4	14
221	Measurement of the ratios of branching fractions and. <i>Physical Review Letters</i> , <b>2006</b> , 96, 191801	7-4	14
220	Measurement of the tt production cross section in pp collisions at square root s = 1.96 TeV using missing E(T) + jets events with secondary vertex b tagging. <i>Physical Review Letters</i> , <b>2006</b> , 96, 202002	7-4	14
219	Search for anomalous production of multilepton events in pp collisions at sqrt s=1.96 TeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 131804	7-4	14
218	Search for excited and exotic muons in the muon decay channel in p-p collisions at sqrt s =1.96 TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 191802	7-4	14
217	Measurement of the average time-integrated mixing probability of b-flavored hadrons produced at the Fermilab Tevatron. <i>Physical Review D</i> , <b>2004</b> , 69,	4-9	14
216	Search for new physics in photon-lepton events in pp collisions at s=1.8 TeV. <i>Physical Review D</i> , <b>2002</b> , 66,	4-9	14
215	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	14
214	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow J/\psi c$ and $B \rightarrow J/\psi s$ and $B \rightarrow J/\psi b$ and $(\text{mathcal{B}}\left(\text{B}_{\text{c}}^{\pm} \rightarrow \text{J}/\psi \text{B}^{\pm}\right) / \text{mathcal{B}}\left(\text{B}_{\text{c}}^{\pm} \rightarrow \text{J}/\psi \text{B}^{\pm}\right))$ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	13
213	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> , <b>2018</b> , 2018, 1	5-4	13
212	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 325	4-2	13
211	Measurement of exclusive $\pi$ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 702	4-2	13
210	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , <b>2019</b> , 79, 313	4-2	13
209	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2901	4-2	13
208	Search for a fermiophobic Higgs boson in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	13



207	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> , <b>2012</b> , 2012, 1	5.4	13
206	Measurement of the mass difference between top and antitop quarks. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
205	Measurement of the ratio of branching fractions $B(D0 \rightarrow K^+ \mu^-) / B(D0 \rightarrow K^0 \mu^-)$ using the CDF II detector. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	13
204	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV in the all hadronic decay mode. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	13
203	Search for Higgs bosons decaying into bb and produced in association with a vector boson in pp collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 051801	7.4	13
202	Measurement of ( $\bar{t}t$ ) normalised multi-differential cross sections in ( $pp$ ) collisions at ( $\sqrt{s}=13$ , TeV), and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	13
201	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> , <b>2016</b> , 2016, 1	5.4	13
200	Search for ( $\overline{t}tH$ ) production in the all-jet final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
199	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 891	4.2	13
198	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 280	4.2	12
197	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	12
196	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> , <b>2018</b> , 2018, 1	5.4	12
195	Measurement of the production cross section for ( $Z\gamma$ to $\nu\overline{\nu}$ ) in pp collisions at ( $\sqrt{s} = 7$ ) TeV and limits on ZZ and Z triple gauge boson couplings. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	12
194	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	12
193	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
192	Search for quark compositeness in dijet angular distributions from pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	12
191	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at ( $\sqrt{s}=7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	12
190	Search for light resonances decaying into pairs of muons as a signal of new physics. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	12

189	Measurement of the top quark mass in pp collisions at $\sqrt{s}=1.96$ TeV using the decay length technique. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	12
188	Measurement of the ratios of branching fractions $B(B_0^s \rightarrow D_s^- \pi^+ \pi^+ \pi^-)/B(B_0^s \rightarrow D^- \pi^+ \pi^+ \pi^-)$ and $B(B_0^s \rightarrow D_s^- \pi^+)/B(B_0^s \rightarrow D^- \pi^+)$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 061802	7.4	12
187	Branching ratio measurements of exclusive B+ decays to charmonium with the Collider Detector at Fermilab. <i>Physical Review D</i> , <b>2002</b> , 66,	4.9	12
186	Further properties of high-mass multijet events at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , <b>1996</b> , 54, 4221-4233	4.9	12
185	Studies of and mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 939	4.2	12
184	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> , <b>2018</b> , 78, 1	4.2	12
183	Search for new physics in the monophoton final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
182	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 287	4.2	11
181	Phenomenological MSSM interpretation of CMS searches in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	11
180	Measurement of jet multiplicity distributions in [Formula: see text] production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3014	4.2	11
179	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
178	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
177	Search for new physics with dijet angular distributions in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
176	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	11
175	Measurement of the underlying event activity in pp collisions at ( $\sqrt{s}=0.9$ ) and 7 TeV with the novel jet-area/median approach. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
174	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
173	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
172	Observation of $B(0^s) \rightarrow \Psi(2S)\Phi$ and measurement of the ratio of branching fractions $\text{Beta}(B(0^s) \rightarrow \Psi(2S)\Phi)/\text{Beta}(B(0^s) \rightarrow J/\Psi\Phi)$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 231801	7.4	11

171	Search for scalar bottom quarks from gluino decays in collisions at. <i>Physical Review Letters</i> , <b>2006</b> , 96, 171802	7.4	11
170	Search for associated production of Upsilon and vector boson in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>2003</b> , 90, 221803	7.4	11
169	Measurements of differential Z boson production cross sections in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	11
168	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s}$ = 13 TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P02027-P02027	1	11
167	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> , <b>2018</b> , 2018, 1	5.4	11
166	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> , <b>2019</b> , 2019, 1	5.4	10
165	A multi-dimensional search for new heavy resonances decaying to boosted $\gamma$ , $\tau$ , or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 237	4.2	10
164	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at ( $\sqrt{s}=8$ ) TeV using $H \rightarrow WW$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
163	Search for excited leptons in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
162	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	10
161	Search for physics beyond the standard model in events with leptons, jets, and large transverse momentum imbalance in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2493	4.2	10
160	Measurements of jet charge with dijet events in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
159	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
158	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
157	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	10
156	Search for new physics in lepton+photon+X events with 929 pb <sup>-1</sup> of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	10
155	Inclusive double-pomeron exchange at the fermilab tevatron p p collider. <i>Physical Review Letters</i> , <b>2004</b> , 93, 141601	7.4	10
154	Measurement of the mass difference $m(D_s^+) - m(D^+)$ at CDF II. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	10

153	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
152	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	10
151	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	9
150	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	9
149	Measurement of b hadron lifetimes in pp collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 457	4.2	9
148	Search for associated production of dark matter with a Higgs boson decaying to ( $\overline{\text{b}}\text{b}$ ) or $\overline{\text{t}}\text{t}$ ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
147	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
146	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> , <b>2017</b> , 2017, 1	5.4	9
145	Distributed Analysis in CMS. <i>Journal of Grid Computing</i> , <b>2010</b> , 8, 159-179	4.2	9
144	Search for Higgs bosons decaying to $\text{bb}$ and produced in association with W bosons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 081803	7.4	9
143	A search for $\text{t} \rightarrow \overline{\text{q}}\text{q}$ in $\text{tt}$ production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 639, 172-178	4.2	9
142	Search for lepton flavor violating decays of a heavy neutral particle in $\text{p}(\overline{\text{p}})$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>2003</b> , 91, 171602	7.4	9
141	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $[\text{Formula: see text}]$ pair in proton-proton collisions at $[\text{Formula: see text}]$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 317	4.2	9
140	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
139	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 697	4.2	9
138	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at ( $\sqrt{\text{mathrm{s}}}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
137	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at ( $\sqrt{s_{\text{mathrm{NN}}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
136	Search for s channel single top quark production in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8

135	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
134	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
133	Measurement of the top quark mass using single top quark events in proton-proton collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 354	4.2	8
132	Measurement of the triple-differential dijet cross section in proton-proton collisions at and constraints on parton distribution functions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 746	4.2	8
131	Cross section measurements of high-pT dilepton final-state processes using a global fitting method. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	8
130	Measurement of the azimuthal angle distribution of leptons from W boson decays as a function of the W transverse momentum in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	8
129	Central pseudorapidity gaps in events with a leading antiproton at the fermilab tevatron pp collider. <i>Physical Review Letters</i> , <b>2003</b> , 91, 011802	7.4	8
128	Search for the flavor-changing neutral current decay $D^0 \rightarrow \mu^+ \mu^-$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	8
127	Search for anomalous kinematics in tt dilepton events at CDF II. <i>Physical Review Letters</i> , <b>2005</b> , 95, 022001	7.4	8
126	Search for supersymmetric Higgs bosons in the di-tau decay mode in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	8
125	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
124	Search for electroweak production of charginos in final states with two leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
123	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 92	4.2	7
122	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> , <b>2019</b> , 79, 1	4.2	7
121	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> , <b>2019</b> , 79, 94	4.2	7
120	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
119	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> , <b>2020</b> , 2020, 1	5.4	7
118	Search for supersymmetry in pp collisions at ( $\sqrt{s}=13$ ) TeV in the single-lepton final state using the sum of masses of large-radius jets. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7

117	Measurement of top quark polarisation in t-channel single top quark production. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	7
116	Jet properties in PbPb and pp collisions at ( $\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
115	Measurement of the semileptonic ( $\overline{\mathrm{t}} + \overline{\mathrm{b}}$ ) production cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
114	Searches for $W^\pm$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
113	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
112	Measurement of the $Z\overline{\mathrm{b}}\mathrm{b}$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	7
111	Search for scalar leptoquark pairs decaying to $\overline{\mathrm{b}}\mathrm{q}\mathrm{q}$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4-9	7
110	Search for ZZ and ZW production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4-9	7
109	Search for new physics in lepton+photon+X events with 305 pb <sup>-1</sup> of pp collisions at [ $\sqrt{s}$ ] = 1.96 TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 031801	7-4	7
108	Measurement of the differential dijet mass cross section in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2000</b> , 61,	4-9	7
107	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	7
106	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 13	4-2	7
105	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
104	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $Z\overline{\mathrm{b}}\mathrm{q}$ final states at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
103	Search for dark matter produced in association with a Higgs boson decaying to $\overline{\mathrm{b}}\mathrm{r}\mathrm{b}\mathrm{t}$ ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
102	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
101	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 800	4-2	7
100	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 90	4-2	6

99	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at ( $\sqrt{s}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
98	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , <b>2020</b> , 80, 534	4.2	6
97	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 43	4.2	6
96	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 536	4.2	6
95	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> , <b>2019</b> , 79, 1	4.2	6
94	CMS distributed data analysis with CRAB3. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 664, 062038	0.3	6
93	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	6
92	Search for the associated production of the Higgs boson with a top-quark pair <b>2014</b> , 2014, 1		6
91	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	6
90	Measurement of the differential Drell-Yan cross section in proton-proton collisions at ( $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	6
89	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 893	4.2	6
88	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 886	4.2	6
87	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
86	Search for a heavy resonance decaying into a Z boson and a vector boson in the ( $\overline{\nu}_q \overline{\nu}_q$ ) final state. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
85	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> , <b>2016</b> , 2016, 1	5.4	5
84	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
83	Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV <b>2011</b> , 2011, 1		5
82	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 200	4.2	5

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> , <b>2021</b> , 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> , <b>2021</b> , 81, 488	4.2	5
79	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 3	4.2	5
78	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , <b>2018</b> , 78, 708	4.2	5
77	Search for the pair production of light top squarks in the $e\bar{e}$ final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
76	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 123	4.2	4
75	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 20	4.2	4
74	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> , <b>2015</b> , 75, 302	4.2	4
73	Evidence for ( $W$ ) production from double-parton interactions in proton-proton collisions at ( $\sqrt{s} = 13$ , text {TeV}). <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
72	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 242	4.2	4
71	Pseudorapidity distributions of charged hadrons in proton-lead collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) and 8.16 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
70	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
69	Search for a heavy resonance decaying to a top quark and a vector-like top quark at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
68	Search for high-mass $Z$ resonances in $e^+e^-$ and $\bar{\nu}\nu$ final states in proton-proton collisions at ( $\sqrt{s}=8$ ) and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
67	Search for CP violation in ( $\bar{t}$ ) production and decay in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
66	Measurement of the two-jet differential cross section in pp collisions at $s=1800$ GeV. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	4
65	Measurement of differential cross sections and charge ratios for $\gamma$ -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 370	4.2	4
64	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	4



63	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> , <b>2018</b> , 78, 1	4.2	4
62	MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 629	4.2	4
61	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 189	4.2	3
60	Measurement of the inclusive ( $\overline{\text{t}}$ ) cross section in pp collisions at ( $\sqrt{s}=5.02$ ) TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3
59	Search for ZZ resonances in the $2\ell$ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3
58	Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3
57	CMS computing operations during run 1. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 513, 032040	0.3	3
56	Search for top quark partners with charge 5/3 in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3
55	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> , <b>2014</b> , 2014, 1	5.4	3
54	Measurement of the cross section for production of ( $\overline{\text{b}}\text{X}$ ) decaying to muons in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	3
53	Debugging data transfers in CMS. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 219, 062055	0.3	3
52	CMS offline web tools. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 119, 082007	0.3	3
51	Search for $\overline{\text{B}}_0 \rightarrow \text{p}\ell$ and $\overline{\text{B}}_0 \rightarrow \text{pK}$ decays in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	3
50	Search for anomalous semileptonic decay of heavy flavor hadrons produced in association with a W boson at CDF II. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	3
49	Measurements of the ( $\text{pp} \rightarrow \text{ZZ}$ ) production cross section and the ( $\text{Z} \rightarrow 4\ell$ ) branching fraction, and constraints on anomalous triple gauge couplings at ( $\sqrt{s}=13$ , TeV) <b>2018</b> , 78, 1		3
48	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 970	4.2	3
47	Measurement of the ( $\overline{\text{t}}$ ) production cross section in the dilepton channel in pp collisions at ( $\sqrt{s}=8$ ) TeV <b>2014</b> , 2014, 1		3
46	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , <b>2020</b> , 4, 10	6	3

45	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> , <b>2021</b> , 2021, 1	5-4	3
44	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to e $\mu$ final states in proton-proton collisions at ( $\sqrt{s}$ )=13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	3
43	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 723	4-2	3
42	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 305	4-2	2
41	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ( $\sqrt{s}$ )=13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	2
40	Measurement of differential cross sections in the kinematic angular variable $\phi^*$ for inclusive Z boson production in pp collisions at ( $\sqrt{s}$ )=8 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	2
39	Search for dark matter particles in proton-proton collisions at ( $\sqrt{s}$ )=8 TeV using the razor variables. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	2
38	Search for $W \rightarrow tb$ in proton-proton collisions at ( $\sqrt{s}$ )=8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	2
37	Search for the production of an excited bottom quark decaying to $tW$ in proton-proton collisions at ( $\sqrt{s}$ )=8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	2
36	Evolution of the pilot infrastructure of CMS: towards a single glideinWMS pool. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 513, 032041	0-3	2
35	Measurements of the $pp \rightarrow W\ell$ and $pp \rightarrow Z\ell$ cross sections and limits on anomalous quartic gauge couplings at ( $\sqrt{s}$ )=8 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	2
34	Search for new phenomena with multiple charged leptons in proton-proton collisions at ( $\sqrt{s}$ )=13 TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4-2	2
33	Pushing HTCondor and glideinWMS to 200K+ Jobs in a Global Pool for CMS before Run 2. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 664, 062030	0-3	2
32	Using the glideinWMS System as a Common Resource Provisioning Layer in CMS. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 664, 062031	0-3	2
31	Measurement of the ratio of branching fractions $B(B \rightarrow J/\psi)/B(B \rightarrow J/\psi + \gamma)$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4-9	2
30	Use of the gLite-WMS in CMS for production and analysis. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 219, 062007	0-3	2
29	Search for new physics in events with same-sign dileptons and b jets in pp collisions at ( $\sqrt{s}$ )=8 TeV <b>2013</b> , 2013, 1		2
28	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 718	4-2	2

27	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 752	4.2	2
26	Search for supersymmetry in events with a photon, jets, $\bar{\nu}$ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 444	4.2	1
25	Bringing the CMS distributed computing system into scalable operations. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 219, 062015	0.3	1
24	Measurement of b hadron lifetimes in pp collisions at $(\sqrt{s} = 8)$ ( $\sqrt{s} = 8$ ) TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1		1
23	Development and validation of HERWIG++ tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , <b>2021</b> , 81, 312	4.2	1
22	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 969	4.2	1
21	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	1
20	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 773	4.2	0
19	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1164	4.2	0
18	Search for a heavy vector resonance decaying to a $\bar{b}$ quark and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 688	4.2	0
17	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 852	4.2	0
16	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
15	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , <b>2022</b> , 82, 153	4.2	0
14	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at .. <i>European Physical Journal C</i> , <b>2022</b> , 82, 290	4.2	0
13	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
12	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
11	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
10	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0

9	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5-4	○
8	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5-4	○
7	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	
6	Use of DAGMan in CRAB3 to improve the splitting of CMS user jobs. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 898, 052035	0-3	
5	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	
4	Measuring and understanding computer resource utilization in CMS. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 331, 072051	0-3	
3	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 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> , <b>2022</b> , 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> , <b>2022</b> , 2022, 1	5-4	