

Andrew G Ivanov

List of Publications by Year in descending order

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Version: 2024-02-01

1,051
papers

59,455
citations

1536

106
h-index

2629

194
g-index

1058
all docs

1058
docs citations

1058
times ranked

13764
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	4.1	6,177
2	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	1.2	2,192
3	Measurement of the J/ψ meson and b-hadron production cross sections in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	4.7	624
4	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	3.9	541
5	Observation of the Narrow State $X(3872)$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2004, 93, 072001.	7.8	531
6	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 795-814.	4.1	520
7	Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.	1.2	508
8	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
9	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497
10	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 26-48.	4.1	477
11	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s}=7$ TeV. Journal of Instrumentation, 2012, 7, P10002-P10002.	1.2	467
12	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2011, 84, .	2.9	455
13	Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.	1.2	418
14	Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2010, 105, 022002.	7.8	400
15	Study of high- p_T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	369
16	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 421.	3.9	355
17	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.	4.1	354
18	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342

#	ARTICLE	IF	CITATIONS
19	High-precision measurement of the W boson mass with the CDF II detector. <i>Science</i> , 2022, 376, 170-176.	12.6	336
20	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	320
21	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 235.	3.9	320
22	Observation of B_s oscillations. <i>Physical Review Letters</i> , 2006, 97, 242003. Evidence for a Narrow Near-Threshold Structure in the B_s Mass Spectrum in pp Collisions	7.8	311
23	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to $B\tau$ and $B\tau^*\tau$. <i>Physical Review Letters</i> , 2013, 110, 081803.	7.8	275
24	Detector description and performance for the first coincidence observations between LIGO and GEO. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 517, 154-179.	1.6	259
25	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W , Z , and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014, 74, 3036.	3.9	241
26	Evidence for a mass dependent forward-backward asymmetry in top quark pair production. <i>Physical Review D</i> , 2011, 83, .	4.7	238
27	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 tagging. <i>Physical Review D</i> , 2005, 71, .	4.7	231
28	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	228
29	Observation of Sequential J/ψ Suppression in PbPb Collisions. <i>Physical Review Letters</i> , 2012, 109, 222301.	7.8	220
30	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=7$ TeV with ALICE at LHC. <i>European Physical Journal C</i> , 2010, 68, 345-354.	3.9	212
31	Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	209
32	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. <i>Physical Review Letters</i> , 2011, 107, 221804.	7.8	208
33	Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE. <i>European Physical Journal C</i> , 2013, 73, 2456.	3.9	202
34	Evidence for a Particle Produced in Association with Weak Bosons and Decaying to a Bottom-Antibottom Quark Pair in Higgs Boson Searches at the Tevatron. <i>Physical Review Letters</i> , 2012, 109, 071804.	7.8	201
35	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	200

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37	Observation of Electroweak Single Top-Quark Production. Physical Review Letters, 2009, 103, 092002.	7.8	199
38	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=0.9$ and 2.36 TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	3.9	199
39	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
40	Analysis of the Quantum Numbers of the X(3872) Particle. Physical Review Letters, 2007, 98, 132002.	7.8	193
41	Polarizations of J/ψ and Υ and Υ and Υ cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2457-2544.	7.8	192
42	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	3.9	191
43	Measurements of inclusive W and Z cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2457-2544.	3.6	188
44	Forward-Backward Asymmetry in Top-Quark Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 100, 161802.	7.8	187
45	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2013, 87, ...	2.9	185
46	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	181
47	First Flavor-Tagged Determination of Bounds on Mixing-Induced C Violation in $B \rightarrow CP$ Decays. Physical Review Letters, 2008, 100, 161802.	7.8	179
48	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	3.9	179
49	Search for $B_s \rightarrow \tau^+ \tau^-$ and $B \rightarrow \tau^+ \tau^-$ Decays with 2fb^{-1} of $p\bar{p}$ Collisions. Physical Review Letters, 2008, 100, 101801.	7.8	178
50			

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55	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	168
56	Setting upper limits on the strength of periodic gravitational waves from PSRJ1939+2134 using the first science data from the GEO 600 and LIGO detectors. Physical Review D, 2004, 69, .	4.7	165
57	Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 176-197.	4.1	161
58	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. Astrophysical Journal, 2008, 683, L45-L49.	4.5	160
59	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	4.7	158
60	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	154
61	Observation of Exclusive Charmonium Production and Collisions in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 052302.	7.8	153
62	Measurement of Prompt Charm Meson Production Cross Sections in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2003, 91, 241804.	7.8	149
63	Measurement of the inclusive jet cross section at the Fermilab Tevatron collider using a cone-based jet algorithm. Physical Review D, 2008, 78, .	4.7	149
64	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	4.1	148
65	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{T} and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	3.9	147
66	Measurement of the $B_s \rightarrow B_s^0$ Oscillation Frequency. Physical Review Letters, 2006, 97, 062003.	7.8	141
67	Strange particle production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	140
68	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ TeV and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
69	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	139
70	Υ Production and Polarization in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2002, 88, 161802.	7.8	135
71	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
72			

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73	Limits on Gravitational-Wave Emission from Selected Pulsars Using LIGO Data. Physical Review Letters, 2005, 94, 181103.	7.8	130
74	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	4.1	130
75	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	129
76	Searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: Results from the second LIGO science run. Physical Review D, 2007, 76, .	4.7	128
77	Search for Dijet Resonances in 7 TeV Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	7.8	126
78	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	7.8	126
79	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 132001.	7.8	125
80	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	125
81	Top quark mass measurement using the template method in the lepton+jets channel at CDF II. Physical Review D, 2006, 73, .	4.7	124
82	Evidence for the 125 GeV Higgs boson decaying to a pair of \tilde{l} , leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
83	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 14$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
84	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122
85	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 256-277.	4.1	122
86	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. Physical Review D, 2013, 87, .	4.7	122
87	Measurement of the Dipion Mass Spectrum in $X(3872) \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ Decays. Physical Review Letters, 2006, 96, 102002.	7.8	121
88	Upper limits on gravitational wave emission from 78 radio pulsars. Physical Review D, 2007, 76, .	4.7	121
89	Observation of the Baryonic Flavor-Changing Neutral Current Decay $\Lambda_b^0 \rightarrow \Lambda^0 \pi^+ \pi^-$. Physical Review Letters, 2011, 107, 201802.	7.8	121
90	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120

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91	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	118
92	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	7.8	118
93	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
94	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
95	First Measurement of the Differential Cross Section $d\sigma/dM_{T\bar{T}}$ in $pp \rightarrow T\bar{T}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 222003.	7.8	115
96	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	115
97	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the CMS detector. Physical Review D, 2013, 87, .	4.7	115
98	Measurement of the inclusive jet cross section using the k _T algorithm in $pp \rightarrow T\bar{T}$ collisions at $\sqrt{s} = 1.96$ TeV with the CDF II detector. Physical Review D, 2007, 75, .	4.7	114
99	Combination of Tevatron Searches for the Standard Model Higgs Boson in the WZ and WW Modes. Physical Review Letters, 2010, 104, 061802.	7.8	114
100	First Measurements of Inclusive W and Z Cross Sections from Run II of the Fermilab Tevatron Collider. Physical Review Letters, 2005, 94, 091803.	7.8	111
101	Production of $K^*(892)^0$ and $\bar{K}^*(1020)$ in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
102	All-sky search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2008, 77, .	4.7	110
103	Combination of the top-quark mass measurements from the Tevatron collider. Physical Review D, 2012, 86, .	4.7	109
104	Invariant Mass Distribution of Jet Pairs Produced in Association with a W Boson in $pp \rightarrow T\bar{T}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 106, 171801.	7.8	108
105	Measurement of the rapidity and transverse momentum distributions of B mesons in $pp \rightarrow T\bar{T}$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 171801.	7.8	108
106	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	4.7	108
107	Observation of the Decay $B \rightarrow K^* \mu^+ \mu^-$. Physical Review Letters, 2008, 100, 182002.	7.8	106
108	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ Cross Section. Physical Review Letters, 2008, 100, 182002.	7.8	106

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109	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36, \text{ and } 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
110	Precise Measurement of the W -Boson Mass with the CDF II Detector. Physical Review Letters, 2012, 108, 151803.	7.8	106
111	Observation of the Heavy Baryons Λ_c^+ and Λ_c^0 . Physical Review Letters, 2007, 99, 202001.	7.8	105
112	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. Astrophysical Journal, 2010, 722, 1504-1513.	4.5	104
113	Search for Charged Higgs Bosons from Top Quark Decays in pp Collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2006, 96, 042003.	7.8	103
114	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
115	Search for Charged Higgs Bosons in Decays of Top Quarks in pp Collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2009, 103, 101803.	7.8	102
116	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	1.2	102
117	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	101
118	Evidence for D^0 Mixing Using the CDF II Detector. Physical Review Letters, 2008, 100, 121802.	7.8	100
119	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	100
120	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	99
121	Search for new phenomena with the M_{T2} variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 710.	3.9	98
122	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7 \text{ TeV}$ and comparison with $\sqrt{s} = 0.9 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	97
123	Measurement of the Electron Charge Asymmetry in Inclusive W Collisions at $\sqrt{s} = 0.9 \text{ TeV}$. Physical Review Letters, 2007, 99, 202001.	7.8	97
124	Production in pp Collisions at $\sqrt{s} = 0.9 \text{ TeV}$. Physical Review Letters, 2007, 99, 202001.	7.8	95
125	Search for supersymmetry in hadronic final states using M_{T2} in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	95
126	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	95

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127	Measurement of the $W+W\gamma$ production and search for the Higgs boson in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 25-47.	7.8	94
128	Search for Doubly Charged Higgs Bosons Decaying to Dileptons in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2004, 93, 221802.	7.8	92
130	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	92
131	Direct Measurement of the $W+Z$ Production Charge Asymmetry in pp Collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	7.8	91
132	Performance of τ -lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.	1.2	91
133	First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	4.1	90
134	Upsilon production cross section in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2011, 83, .	4.7	88
135	Measurement of the Difference in CP-Violating Asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ Decays at CDF. Physical Review Letters, 2012, 109, 111801.	7.8	88
136	Search for the standard model Higgs boson decaying to WZ in the fully leptonic final state in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	4.1	88
137	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	4.7	86
138	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 147.	3.9	88
139	Search for High-Mass Resonances Decaying to Dimuons at CDF. Physical Review Letters, 2009, 102, 091805.	7.8	87
141	Observation and Mass Measurement of the Baryon Λ_b^0 . Physical Review Letters, 2007, 99, 052002.	7.8	86
142	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	86
143	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
144	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	12.6	85

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145	Study of double parton scattering using $W + 2$ -jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
146	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
147	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
148	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
149	Measurement of inclusive jet cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 022001.	4.7	83
150	Measurement of the single-top-quark t -channel cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	83
151	Measurement of the differential cross section and charge asymmetry for inclusive W production in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 357, 107-111.	4.7	83
152	Measurement of the differential cross section and charge asymmetry for inclusive W production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
153	Measurement of prompt and nonprompt charmonium suppression in $PbPb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	3.9	83
154	Underlying event in hard interactions at the Fermilab Tevatron $p\bar{p}$ collider. Physical Review D, 2004, 70, 074011.	4.7	82
155	Measurement of Bottom-Quark Hadron Masses in Exclusive $B \rightarrow \ell \bar{\nu}_\ell$ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 202001.	7.8	82
156	Measurement of the W boson production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 022001.	7.8	82
157	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	3.9	82
158	Search for Large Extra Dimensions in Final States Containing One Photon or Jet and Large Missing Transverse Energy Produced in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	81
159	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
160	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.1	81
161	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
162	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81

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163	Observation of Orbitally Excited B_s Mesons. Physical Review Letters, 2008, 100, 082001.	7.8	80
164	Measurement of the B_s Production Cross Section in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	80
165	Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 98, 112001.	7.8	80
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175	Measurement of the B_s Production Cross Section in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 212301.	4.1	76
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190	Measurement of $t\bar{t}$ Production Cross Section in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 082004.	7.8	72
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234		4.7	61

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240	Search for Exclusive $\tau^+ \tau^-$ Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 99, 242002.	7.8	59
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277	Search for New Physics with a Monojet and Missing Transverse Energy in Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 201804.	7.8	53
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318	Measurements of the Angular Distributions of Muons from W Bosons with Large Transverse Momenta in pp Collisions at the LHC. Physical Review Letters, 2011, 107, .	7.8	46
319	Measurements of the Angular Distributions of Muons from W Bosons with Large Transverse Momenta in pp Collisions at the LHC. Physical Review Letters, 2011, 107, .	4.7	46
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321	Search for disappearing tracks in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
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326	Measurement of the $pp \rightarrow t\bar{t} + \text{production cross section in } pp \rightarrow t\bar{t} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$ in $pp \rightarrow t\bar{t} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$ in $pp \rightarrow t\bar{t} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$	4.7	45
327	Measurement of the $pp \rightarrow t\bar{t} + \text{spin correlation in } pp \rightarrow t\bar{t} + \text{collisions using } \sqrt{s} = 7 \text{ TeV}$ in $pp \rightarrow t\bar{t} + \text{collisions using } \sqrt{s} = 7 \text{ TeV}$	4.7	45
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331	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 207-232.	4.1	45
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337	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the CDF detector. Physical Review D, 2009, 80, .	4.7	44
338	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
339	Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2013, 111, 111801.	7.8	44
340	Search for a light charged Higgs boson decaying to $c \bar{s}$ in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1-37.	4.7	44
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344	Search for Higgs Bosons Predicted in Two-Higgs-Doublet Models via Decays to Tau Lepton Pairs in 1.96 TeV $pp\bar{A}$ Collisions. Physical Review Letters, 2009, 103, 201801.	7.8	43
345	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2014, 74, 3060.	7.8	43
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360	Measurement of the top quark mass using template methods on dilepton events in $pp\bar{A}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2006, 73, .	4.7	41

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363	Search for Stopped Gluinos in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 011801.	7.8	41
364	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	41
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377	Search for same-sign top-quark pair production at $\sqrt{s}=7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40
378	Measurement of the $t\bar{t}$ production cross section using events in the $e\bar{\nu}_\mu$ final state in pp collisions at $\sqrt{s}=13$ and 8 TeV. European Physical Journal C, 2017, 77, 172.	3.9	40

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383	Direct Search for Dirac Magnetic Monopoles in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 201801.	7.8	39
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390	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
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392	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
393	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
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404	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 845.	3.9	38
405	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 636.	3.9	38
406	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying t , leptons at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	38
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409	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	37
410	First Search for Multijet Resonances in $pp \rightarrow t\bar{t} + \text{jets}$ Collisions. <i>Physical Review Letters</i> , 2011, 107, 042001.	7.8	37
411	Search for $B \rightarrow \bar{c} \ell \nu$ decays in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 042001.	7.8	37
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421	Measurement of the Cross Section for Prompt Isolated Diphoton Production Using the Full CDF Run II Data Sample. Physical Review Letters, 2013, 110, 101801.	7.8	36
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423	Search for resonant and nonresonant Higgs boson pair production in the $b \bar{b} \rightarrow \tau^+ \tau^-$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	35
424	First Measurement of W Boson Production in Association with a Single Charm Quark in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 100, 091803.	7.8	35
425	Measurement of the $B_s \rightarrow \tau^+ \tau^-$ Cross Section with $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 021801.	4.7	35
426	Measurement of the $B_s \rightarrow \tau^+ \tau^-$ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
427	Measurement of the top-quark mass in all-jets $t \bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	3.9	35
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429	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. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
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433	Measurement of $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV using lepton plus jets events with semileptonic decays to muons. <i>Physical Review D</i> , 2005, 72, .	4.7	34
434	Search for Three-Jet Resonances in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 101801.	7.8	34
435	Measurement of $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011, 106, 121801.	7.8	34
436	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	34
437	Search for C -violating phase in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review D</i> , 2012, 85, .	4.7	34
438	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	34
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440	Search for A boson decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013, 111, 242001.	4.1	34
441	Search for Z resonances decaying to dilepton+jets final states in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review D</i> , 2013, 87, .	4.7	34
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443	Measurements of Direct C -Violating Asymmetries in Charmless Decays of Bottom Baryons. <i>Physical Review Letters</i> , 2014, 113, 242001.	7.8	34
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445	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 379.	3.9	34
446	Measurements of the $t\bar{t}$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections. <i>European Physical Journal C</i> , 2017, 77, 15.	3.9	34
447	Measurement of the top quark mass with lepton+jets final states using pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 891.	3.9	34
448	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 90.	3.9	34
449	Evidence for $B_s^0 \rightarrow \tau^+ \tau^-$ Decay and Measurements of Branching Ratio and ACP for $B^+ \rightarrow \tau^+ K^+$. <i>Physical Review Letters</i> , 2005, 95, 031801.	7.8	33
450	Search for a Standard Model Higgs Boson in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 101801.	7.8	33

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452	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	33
453	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	33
454	Direct Measurement of the Total Decay Width of the Top Quark. <i>Physical Review Letters</i> , 2013, 111, 202001.	7.8	33
455	Search for Resonant Top-Antitop Production in the Lepton Plus Jets Decay Mode Using the Full CDF Data Set. <i>Physical Review Letters</i> , 2013, 110, 121802.	7.8	33
456	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , 2016, 76, 371.	3.9	33
457	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2019, 79, 702.	3.9	33
458	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 13.	3.9	33
459	Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 3.	3.9	33
460	Measurement of 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> , 2020, 80, 1.	3.9	33
461	Measurement of W^3 and Z^3 Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2005, 94, 041803.	7.8	32
462	Search for Supersymmetry with Gauge-Mediated Breaking in Diphoton Events with Missing Transverse Energy at CDF II. <i>Physical Review Letters</i> , 2010, 104, 011801.	7.8	32
463	Measurement of \overline{B} angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	32
464	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2011, 2011, 1. Search for a Heavy Toplike Quark in pp Collisions at $\sqrt{s} = 1.96$ TeV	4.7	32
465	Measurement of W^3 and Z^3 Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011, 107, 261801.	7.8	32
466	Measurement of Polarization and Search for CP Violation in $B_s^0 \rightarrow \tau^+ \tau^-$ Decays. <i>Physical Review Letters</i> , 2011, 107, 261802. Search for pair production of first- and second-generation scalar leptiquarks in pp collisions at $\sqrt{s} = 7$ TeV	7.8	32
467	Search for pair production of first- and second-generation scalar leptiquarks in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 261801.	4.7	32
468	Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	32

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470	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2674.	3.9	32
471	Measurements of the Z production cross sections in the $2\ell 2\ell$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	4.7	32
472	Measurements of the Z production cross sections in the $2\ell 2\ell$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
473	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
474	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. Physical Review D, 2005, 71, .	4.7	31
475	Search for High-Mass Resonances Decaying to e^+e^- in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 211802.	7.8	31
476	Precision Top-Quark Mass Measurement in the Lepton+Jets Topology in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 022004.	7.8	31
477	Search for Heavy Top-like Quarks Using Lepton Plus Jets Events in 1.96 TeV pp Collisions. Physical Review Letters, 2008, 100, 161803.	7.8	31
478	Measurement of the b Hadron Lifetimes in Exclusive Decays Containing a J/ψ . Physical Review Letters, 2008, 100, 161803.	7.8	31
479	Measurement of the Z production cross sections in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 84, .	4.7	31
480	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
481	Mid-rapidity anti-baryon to baryon ratios in pp collisions at $\sqrt{s} = 0.9, 2.76$ TeV measured by ALICE. European Physical Journal C, 2013, 73, 1.	3.9	31
482	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	31
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488	Search for new particles leading to Z jets final states in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 96, 101801.	4.7	30
489	Search for new particles leading to Z jets final states in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 96, 101801.	4.7	30
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492	Measurement of W -Boson Polarization in Top-Quark Decay in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 042002.	7.8	30
493	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s}=0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30
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495	Observation of Exclusive e^+e^- Production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2012, 108, 081801.	7.8	30
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497	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q}$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
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499	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
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506	Measurement of cross sections for bjet production in events with a Z boson in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2009, 79, .	4.7	29
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509	Search for high-mass resonances decaying into dilepton pairs in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	7.8	29
510	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 280.	4.1	29
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521	Search for Higgs bosons produced in association with bottom quarks. Physical Review D, 2012, 85, .	4.7	28
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526	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
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528	Searches for direct pair production of supersymmetric top and supersymmetric bottom quarks in $p\overline{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2007, 76, .	4.7	27
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530	Search for W and WZ Resonances Decaying to Electron, Missing ET, and Two Jets in $p\overline{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 241801.	7.8	27
531	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. Journal of High Energy Physics, 2017, 2017, 1.	4.1	27
532	Search for the Standard Model Higgs Boson Decaying to $b\overline{b}$ Pair in Events with One Charged Lepton and Large Missing Transverse Energy Using the Full CDF Data Set. Physical Review Letters, 2012, 109, 111804.	7.8	27
533	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
534	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27
535	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. Journal of High Energy Physics, 2017, 2017, 1.	4.7	27
536	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-antiproton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 291.	3.9	27
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561	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
562	Search for Production of Heavy Particles Decaying to Top Quarks and Invisible Particles in $pp \rightarrow t\bar{t} + \text{invisible}$ Collisions at CDF II. Physical Review Letters, 2011, 106, 191801.	7.8	25
563	Measurement of the Mass Difference between t and \bar{t} Quarks. Physical Review Letters, 2011, 106, 152001.	7.8	25
564	Search for the Standard Model Higgs Boson Decaying to $ab \rightarrow \gamma\gamma$ Pair in Events with Two Oppositely Charged Leptons Using the Full CDF Data Set. Physical Review Letters, 2012, 109, 111803.	7.8	25
565	Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle, and Astrophysics, 2016, 115, 111801.	4.1	25
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567	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	25
568	Measurement of the ratio of b quark production cross sections in $pp \rightarrow b\bar{b}$ collisions at $\sqrt{s} = 630$ and 1800 GeV. Physical Review D, 2002, 66, .	4.7	24
569	Search for first-generation scalar leptoquarks in $pp \rightarrow t\bar{t}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 72, 4.7	4.7	24
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572	Measurement of the $pp \rightarrow t\bar{t}$ production cross section and the top quark mass at $\sqrt{s} = 1.96$ TeV in the all-hadronic decay mode. Physical Review D, 2007, 76, .	4.7	24
573	Measurement of the b lifetime in $pp \rightarrow t\bar{t}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 122001.	7.8	24
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578	Search for a new heavy gauge boson W \tilde{a}^2 with event signature $W \tilde{a}^2$	4.7	24
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583	Observation of the Production of a W Boson in Association with a Single Charm Quark. Physical Review Letters, 2013, 110, 071801.	7.8	24
584	Mass and lifetime measurements of bottom and charm baryons in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	24
585	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. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
586	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
587	Measurements of $pp \rightarrow ZZ$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, 8$ TeV. European Physical Journal C, 2021, 81, 200.	3.9	24
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590	Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models. Physical Review D, 2005, 71, .	4.7	23
591	Measurement of $\sigma(\bar{t}b) - \sigma(\bar{t}c)$ in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2002, 89, 122002.	7.8	23
592	Measurement of correlated $b\bar{b}$ production in pp collisions at $\sqrt{s} = 1960$ GeV. Physical Review D, 2008, 77, 4.7	4.7	23
593	Search for the Production of Scalar Bottom Quarks in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 081802.	7.8	23
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599	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
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601	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 354.	3.9	23
602	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8, \text{ext}\{\text{TeV}\}$ $s = 8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	3.9	23
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604	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. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
605	Search for Kaluza-Klein Graviton Emission in pp Collisions at $\sqrt{s} = 1.8$ TeV Using the Missing Energy Signature. Physical Review Letters, 2004, 92, 121802.	7.8	22
606	Measurement of the top quark mass with the dynamical likelihood method using lepton plus jets events with b-tags in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2006, 73, .	4.7	22
607	Search for $V+A$ Current in Top-Quark Decays in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 072001.	7.8	22
608	Search for Heavy Long-Lived Particles that Decay to Photons at CDF II. Physical Review Letters, 2007, 99, 121801.	7.8	22
609	Search for Maximal Flavor Violating Scalars in Same-Charge Lepton Pairs in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 041801.	7.8	22
610	Search for a Higgs Boson Decaying to Two W Bosons at CDF. Physical Review Letters, 2009, 102, 021802.	7.8	22
611	Study of the associated production of photons and b-quark jets in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2010, 81, .	4.7	22
612	Measurements of branching fraction ratios and CP asymmetries in $B^0 \rightarrow D^0 K^{\pm}$ decays in hadron collisions. Physical Review D, 2010, 81, .	4.7	22

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614	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
615	Search for New Physics in High p_T Like-Sign Dilepton Events at CDF II. Physical Review Letters, 2011, 107, 181801.	7.8	22
616	Measurement of the masses and widths of the bottom baryons Λ_b^{\pm} and Σ_b^{\pm} . Physical Review D, 2012, 85, .	4.7	22
617	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics. 2013. 719, 42-61.	4.1	22
618	Search for physics beyond the standard model in events with \tilde{l} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2493.	3.9	22
619	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Measurement of the Cross Section for Direct Photon Production in Association With a Heavy Quark in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 111, 172001.	7.8	22
620	Measurement of the cross section for direct photon production in association with a heavy quark in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 111, 172001.	4.7	22
621	Measurement of differential production cross sections for $t\bar{t}$ collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2015, 91, .	4.7	22
622	Measurement of the cross section for $t\bar{t}$ production in association with jets in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2015, 91, .	4.7	22
623	Search for $t\bar{t}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
624	Search for massive resonances decaying into WW , WZ or ZZ bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
625	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
626	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \tilde{l} , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
627	Search for direct pair production of supersymmetric partners to the $\tau^+\tau^-$ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 189.	3.9	22
628	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 370.	3.9	22
629	Study of the heavy flavor content of jets produced in association with W bosons in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 65, .	4.7	21
630	Search for a W Boson Decaying to a Top and Bottom Quark Pair in 1.8 TeV pp Collisions. Physical Review Letters, 2003, 90, 081802.	7.8	21

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632	Search for second-generation scalar leptoquarks in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2006, 73, .	4.7	21
633	First Observation of $B \rightarrow s \gamma$ Production in pp Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009, 103, 091803.	7.8	21
634	Measurement of the Ratio of Branching Fractions $R_{B \rightarrow s \gamma}$ in pp Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009, 103, 191802.	7.8	21
635	Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011, 106, 201802.	4.7	21
636	Observation of $B_s \rightarrow \mu^+ \mu^-$ (8920) and $B_s \rightarrow \mu^+ \mu^- K_S^0$ decays. <i>Physical Review D</i> , 2011, 83, .	7.8	21
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638	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	2.9	21
639	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , 2020, 4, 10.	4.7	21
640	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	7.8	20
641	Diffraction Dijet Production at $\sqrt{s}=630$ and 1800 GeV at the Fermilab Tevatron. <i>Physical Review Letters</i> , 2002, 88, 151802.	4.7	20
642	Measurement of the b jet cross section in events with a Z boson in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2006, 74, .	4.7	20
643	Search for $W \rightarrow e \nu$ boson decaying to electron-neutrino pairs in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2007, 75, .	7.8	20
644	First Observation of Vector Boson Pairs in a Hadronic Final State at the Tevatron Collider. <i>Physical Review Letters</i> , 2009, 103, 091803.		
644	First measurement of the ratio of branching fractions $R_{B \rightarrow s \gamma}$. <i>Physical Review Letters</i> , 2009, 103, 091803.		

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651	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1252-1272.	4.1	20
652	Measurements of the $\overline{\text{charge}}$ asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
653	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. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
654	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
655	Search for $\overline{\text{H}}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
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674	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2012, 86, .	4.7	18
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747	Search for the Standard Model Higgs Boson Produced in Association with Top Quarks Using the Full CDF Data Set. Physical Review Letters, 2012, 109, 181802.	7.8	15
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766	Measurement of the $t \bar{t} \hat{A}^{-}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV in the all hadronic decay mode. Physical Review D, 2006, 74, .	4.7	14
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773	Search for a Heavy Particle Decaying to a Top Quark and a Light Quark in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2012, 108, 211805.	7.8	14
774	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	14

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795	Measurement of the top quark mass in pp collisions at $\sqrt{s}=1.96$ TeV using the decay length technique. Physical Review D, 2007, 75, .	4.7	13
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807	Updated search for the standard model Higgs boson in events with jets and missing transverse energy using the full CDF data set. Physical Review D, 2013, 87, .	4.7	13
808	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. Physical Review D, 2013, 87, .	4.7	13
809	Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set. Physical Review D, 2013, 88, .	4.7	13
810	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13

#	ARTICLE	IF	CITATIONS
811	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
812	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. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
813	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
814	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
815	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
816	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. Journal of High Energy Physics, 2022, 2022, 1.	4.7	13
817	Measurement of the mass difference $m(D_s^+) - m(D^+)$ at CDF II. Physical Review D, 2003, 68, .	4.7	12
818	Measurement of the polar-angle distribution of leptons from W boson decay as a function of the W transverse momentum in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2004, 70, .	4.7	12
819	Inclusive Double-Pomeron Exchange at the Fermilab Tevatron p-p Collider. Physical Review Letters, 2004, 93, 141601.	7.8	12
820	Observation of $B \rightarrow \tau^+ \tau^- (2S) \bar{l}$ and Measurement of the Ratio of Branching Fractions $B(B \rightarrow \tau^+ \tau^- (2S) \bar{l}) / B(B \rightarrow \tau^+ \tau^- \bar{l})$. Physical Review Letters, 2006, 96, 231801.	7.8	12
821	Search for chargino-neutralino production in pp collisions at $\sqrt{s}=1.96$ TeV using dilepton events with a lepton plus track selection. Physical Review D, 2008, 77, .	4.7	12
822	Measurement of the fraction of top quark pair production via gluon-gluon fusion in pp collisions at $\sqrt{s}=1.96$ TeV using dilepton events with a lepton plus track selection. Physical Review D, 2009, 79, .	4.7	12
823	Search for first generation scalar leptoquarks in the $pp \rightarrow t \bar{t} + \text{jet} + \text{lepton} + \text{jet} + \text{lepton}$ channel in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2008, 77, .	4.7	12
824	Search for the Standard Model Higgs boson decaying to a charm quark pair in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 101, 231801.	4.1	12
825	Search for the Standard Model Higgs boson decaying to a charm quark pair in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 101, 231801.	7.8	12
826	Measurements of the Top-Quark Mass and the α_s using the Full CDF Data Set. Physical Review Letters, 2011, 106, 231801.	7.8	12
827	Search for the Standard Model Higgs boson decaying to a charm quark pair in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 101, 231801.	4.7	12
828	Search for s-Channel Single-Top-Quark Production in Events with Missing Energy Plus Jets in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2014, 112, 231805.	7.8	12

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830	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	12
831	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
832	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
833	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}_3^0$ or $\tilde{\chi}_1^0, \tilde{\chi}_2^0, \tilde{\chi}_3^{\pm}$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
834	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	12
835	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. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
836	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 893.	3.9	12
837	Development and validation of HERWIG7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
838	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
839	Measurement of the azimuthal angle distribution of leptons from W boson decays as a function of the W transverse momentum in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2006, 73, .	4.7	11
840	Search for Scalar Bottom Quarks from Gluino Decays in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 171802.	7.8	11
841	Search for Chargino-Neutralino Production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 191806.	7.8	11
842	Search for new physics in lepton+photon+X events with 929 pb ⁻¹ of pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2007, 75, . Measurement of $\langle b \rangle$ jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=1.96$ TeV.	4.7	11
843	Measurement of $\langle b \rangle$ jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=1.96$ TeV.	4.7	11
844	Search for the Higgs Boson Using Neural Networks in Events with Missing Energy and b-Quark Jets in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 104, 141801.	7.8	11
845	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
846	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	11

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848	Measurement of the top-quark pair-production cross section in events with two leptons and bottom-quark jets using the full CDF data set. Physical Review D, 2013, 88, .	4.7	11
849	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. Physical Review D, 2013, 87, .	4.7	11
850	Measurement of the $Z\tilde{\chi}^0_3$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
851	Search for electroweak production of charginos in final states with two $\tilde{\chi}^0_1$, leptons in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
852	Measurement of the semileptonic $t \bar{t} \rightarrow \gamma \tilde{\chi}^0_3$ production cross section in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
853	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $s = 8$ TeV using $H \rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
854	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
855	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
856	Search for supersymmetry in events with a photon, jets, b -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 444.	3.9	11
857	Study of the underlying event in top quark pair production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 123.	3.9	11
858	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 43.	3.9	11
859	Search for Lepton Flavor Violating Decays of a Heavy Neutral Particle in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2003, 91, 171602.	7.8	10
860	Inclusive Search for Anomalous Production of High- p_T Like-Sign Lepton Pairs in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2004, 93, 061802.	7.8	10
861	Search for Anomalous Kinematics in $t\bar{t}$ Dilepton Events at CDF II. Physical Review Letters, 2005, 95, 022001.	7.8	10
862	Search for standard model Higgs boson production in association with a W boson at CDF. Physical Review D, 2008, 78, .	4.7	10
863	Search for the Associated Production of the Standard-Model Higgs Boson in the All-Hadronic Channel. Physical Review Letters, 2009, 103, 221801.	7.8	10
864	Search for the Higgs boson produced in association with Z the matrix element method at CDF II. Physical Review D, 2009, 80, .	4.7	10

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865	Measurement of the top quark mass in the $pp \rightarrow t\bar{t} + \text{hadrons}$ channel using a matrix element technique in $pp \rightarrow t\bar{t} + \text{hadrons}$ collisions	4.7	10
866	Measurement of the top quark mass at CDF using the $\hat{\sigma}_{\text{neutrino}}$ weighting template method on a lepton plus isolated track sample. Physical Review D, 2009, 79, .	4.7	10
867	Measurement of the $WW+WZ$ production cross section using a matrix element technique in lepton+jet events. Physical Review D, 2010, 82, .	4.7	10
868	Search for New Physics with a Dijet Plus Missing ET Signature in $pp \rightarrow \text{jet-jet} + \cancel{E}_T$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 131801.	7.8	10
869	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1	4.7	10
870	Measurement of the top quark mass in the $pp \rightarrow t\bar{t} + \text{hadrons}$ channel using a jet flavor discriminant. Physical Review D, 2013, 87, .	4.1	10
871	Measurement of the top quark production cross section in the $pp \rightarrow t\bar{t} + \text{hadrons}$ channel using a jet flavor discriminant. Physical Review D, 2013, 87, .	4.7	10
872	Search for excited leptons in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 309-329.	4.7	10
873	Measurement of the mass difference between top and antitop quarks. Physical Review D, 2013, 87, .	4.7	10
874	Measurement of the Single Top Quark Production Cross Section and $ V_{tb} $ in Events with One Charged Lepton, Large Missing Transverse Energy, and Jets at CDF. Physical Review Letters, 2014, 113, 261804.	7.8	10
875	Study of top quark production and decays involving a tau lepton at CDF and limits on a charged Higgs boson contribution. Physical Review D, 2014, 89, .	4.7	10
876	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
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878	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
879	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
880	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2018, 78, 242.	3.9	10
881	Measurement of the $\sigma(\text{pp} \rightarrow Z/\gamma^* \rightarrow \text{hadrons})$ cross section in pp collisions at $\sqrt{s}=13$ TeV and validation of $\sigma(\text{pp} \rightarrow Z/\gamma^* \rightarrow \text{hadrons})$ cross section in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 708.	3.9	10
882	Search for a heavy resonance decaying into a Z boson and a vector boson in the $pp \rightarrow Z/\gamma^* \rightarrow \text{hadrons}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10

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884	Search for Higgs Bosons Decaying to $b\bar{b}$ and Produced in Association with W Bosons in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 081803.	4.1	9
885	First measurement of the fraction of top-quark pair production through gluon-gluon fusion. Physical Review D, 2008, 78, .	4.7	9
886	Two-particle momentum correlations in jets produced in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2008, 77, .	4.7	9
887	Improved Search for a Higgs Boson Produced in Association with Z or W Bosons in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 251802.	7.8	9
888	Search for standard model Higgs boson production in association with a W boson using a matrix element technique at CDF in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 85, .	4.7	9
889	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2013, 718, 1208-1228.	4.1	9
890	Search for supersymmetry in final states with a single lepton, b -quark jets, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	9
891	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\gamma$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
892	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	9
893	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 $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	9
894	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688.	3.9	9
895	Central Pseudorapidity Gaps in Events with a Leading Antiproton at the Fermilab Tevatron $p\bar{p}$ Collider. Physical Review Letters, 2003, 91, 011802.	7.8	8
896	Search for the flavor-changing neutral current decay $D^0 \rightarrow \pi^0 \pi^0$ in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2003, 68, .	4.7	8
897	Search for supersymmetric Higgs bosons in the di-tau decay mode in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2005, 72, .	4.7	8
898	Search for ZZ and ZW production in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, .	4.7	8
899	Cross section measurements of high- p_T dilepton final-state processes using a global fitting method. Physical Review D, 2008, 78, .	4.7	8
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901	Measurement of the top quark mass using the invariant mass of lepton pairs in soft muon b -tagged events. Physical Review D, 2009, 80, .	4.7	8
902	Measurement of Z^0 production in pp -collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	4.7	8
903	Updated search for the flavor-changing neutral-current decay $D^0 \rightarrow \tau^+ \tau^-$ in pp -collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	4.7	8
904	Measurement of the top-quark mass in the lepton+jets channel using a matrix element technique with the CDF II detector. Physical Review D, 2011, 84, .	4.7	8
905	A search for excited leptons in pp -collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 84, .	4.1	8
906	Measurement of the B^0 lifetime using a simulation free approach for trigger bias correction. Physical Review D, 2011, 83, .	4.7	8
907	Search for the standard model Higgs boson produced in association with a W boson with 7.5 fb integrated luminosity at CDF. Physical Review D, 2012, 86, .	4.7	8
908	Measurement of the top-quark mass in the all-hadronic channel using the full CDF data set. Physical Review D, 2014, 90, .	4.7	8
909	Measurement of the ZZ production cross section using the full CDF II data set. Physical Review D, 2014, 89, .	4.7	8
910	Measurement of the B_c^\pm production cross section in pp -collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2016, 93, .	4.7	8
911	Searches for $W\epsilon^2$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
912	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}}=5.02$ and 8.16 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
913	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2q$ final states at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
914	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 773.	3.9	8
915	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. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
916	Cross section for forward J/ψ production in pp -collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 66, .	4.7	7
917	Search for the decay $B_s \rightarrow \tau^+ \tau^-$ in pp -collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 65, .	4.7	7
918	Search for scalar leptoquark pairs decaying to $q\bar{q}$ in pp -collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	4.7	7

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921	Measurement of the top-quark mass using missing ET + jet events with secondary vertex b-tagging at CDF II. Physical Review D, 2007, 75, .	4.7	7
922	Search for Technicolor Particles Produced in Association with a W Boson at CDF. Physical Review Letters, 2010, 104, 111802.	7.8	7
923	Search for new heavy particles decaying to ZZ in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 83, .	4.7	7
924	Measurement of the Cross Section for Prompt Isolated Diphoton Production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2011, 107, 102003.	7.8	7
925	Top-Quark Mass Measurement Using Events with Missing Transverse Energy and Jets at CDF. Physical Review Letters, 2011, 107, 232002.	7.8	7
926	Search for a Higgs Boson in the Diphoton Final State in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2012, 108, 011801.	7.8	7
927	Novel inclusive search for the Higgs boson in the four-lepton final state at CDF. Physical Review D, 2012, 86, .	4.7	7
928	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	7
929	Measurement of the cross section for jet pairs produced in association with a Higgs boson in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 109, 102002.	4.7	7
930	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
931	Search for high-mass Z resonances in e^+e^- and $p\bar{p}$ final states in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	7
932	Study of central exclusive "Equation missing" production in proton-proton collisions at $\sqrt{s}=5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	3.9	7
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939	Measurement of the cross section for production of $\bar{b} X$ decaying to muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	6
940	Measurement of the branching fraction $B(\bar{b} \rightarrow c + \bar{\nu}_c + \nu_e)$ at CDF. Physical Review D, 2012, 85, .	4.7	6
941	Search for anomalous production of highly boosted Z bosons decaying to $W + W_a$ at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 302.	4.7	6
942	Searches for the Higgs boson decaying to $W + W_a$ at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 88, .	4.1	6
943	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 302.	4.7	6
944	Measurement of the forward-backward asymmetry of top-quark and antiquark pairs using the full CDF Run II data set. Physical Review D, 2016, 93, .	4.7	6
945	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
946	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
947	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2019, 79, 969.	3.9	6
948	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.	4.7	6
949	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. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
950	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
951	Search for new heavy particles decaying to $Z + Z$ or $Z + W$ in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2008, 78, .	4.7	5
952	Search for new physics in the production of $Z + Z$ or $Z + W$ in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2008, 78, .	4.7	5
953	Searching the inclusive $\bar{t} \rightarrow \bar{t} + \gamma$ signature for radiative top quark decay and non-standard-model processes. Physical Review D, 2009, 80, .	4.7	5

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956	Measurement of the $t\bar{t}$ -production cross section with an in-situ calibration of b-jet identification efficiency. Physical Review D, 2011, 83, .	4.7	5
957	Search for anomalous production of multiple leptons in association with W and Z bosons at CDF. Physical Review D, 2012, 85, .	4.7	5
958	Search for the Higgs boson in the all-hadronic final state using the full CDF data set. Journal of High Energy Physics, 2013, 2013, 1.	4.7	5
959	Search for contact interactions in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 87, .	4.7	5
960	Search for a Two-Higgs-Boson Doublet Using a Simplified Model in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 87, .	4.7	5
961	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
962	Measurement of the top-quark mass in the $t\bar{t}$ dilepton channel using the full CDF Run II data set. Physical Review D, 2015, 92, .	7.8	5
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