

# Arie Bodek

## List of Publications by Year in descending order

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Version: 2024-02-01

1,072  
papers

50,132  
citations

1990

101  
h-index

5532

163  
g-index

1083  
all docs

1083  
docs citations

1083  
times ranked

12037  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Top Quark Production in $p\bar{p}$ Collisions with the Collider Detector at Fermilab. Physical Review Letters, 1995, 74, 2626-2631.	2.9	1,240
2	Measurement of the $J/\psi$ meson and $b$ -hadron production cross sections in $pp\bar{p}$ collisions at $\sqrt{s}=1960$ GeV. Physical Review D, 2005, 71, .	1.6	624
3	The T2K experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 106-135.	0.7	585
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.	1.4	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.	2.9	531
6	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
7	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497
8	Precise Determination of Electroweak Parameters in Neutrino-Nucleon Scattering. Physical Review Letters, 2002, 88, 091802.	2.9	487
9	Evidence for top quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1994, 50, 2966-3026.	1.6	400
10	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.	1.4	369
11	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
12	Precise measurements of the proton and deuteron structure functions from a global analysis of the SLAC deep inelastic electron scattering cross sections. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 282, 475-482.	1.5	347
13	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
14	High-precision measurement of the $W$ boson mass with the CDF II detector. Science, 2022, 376, 170-176.	6.0	336
15	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	320
16	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 235.	1.4	320
17	Observation of $B_s \rightarrow B^0$ oscillations. Physical Review Letters, 2006, 97, 242003.	2.9	311
18	$J/\psi$ and $\psi(2S)$ Production in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1997, 79, 572-577.	2.9	305

#	ARTICLE	IF	CITATIONS
19	Observation of the $B_c$ Meson in $pp$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1998, 81, 2432-2437.	2.9	285
20	Evidence for a Narrow Near-Threshold Structure in the $J/\psi$ Mass Spectrum in $pp$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2009, 102, 242002.	2.9	275
21	Fermi-motion effects in deep-inelastic lepton scattering from nuclear targets. Physical Review D, 1981, 23, 1070-1091.	1.6	254
22	Double parton scattering in $pp$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 1997, 56, 3811-3832.	1.6	246
23	Inclusive $J/\psi$ , $\psi(2S)$ , and $b$ -quark production in $pp$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1992, 69, 3704-3708.	2.9	243
24	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and $W$ , $Z$ , and Higgs bosons in $pp$ collisions at $8\text{TeV}$ . European Physical Journal C, 2014, 74, 3036.	1.4	241
25	Evidence for a mass dependent forward-backward asymmetry in top quark pair production. Physical Review D, 2011, 83, .	1.6	238
26	Production of $J/\psi$ Mesons from $\psi$ Meson Decays in $pp$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1997, 79, 578-583.	2.9	234
27	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $\sqrt{s}=1.96\text{TeV}$ using lepton+jets events with secondary vertex-tagging. Physical Review D, 2005, 71, .	1.6	231
28	Transverse-momentum and pseudorapidity distributions of charged hadrons in $pp$ collisions at $\sqrt{s}=0.9$ and $2.36\text{TeV}$ . Journal of High Energy Physics, 2010, 2010, 1.	1.6	230
29	Precise measurement of dimuon production cross sections in $pp$ collisions at the Fermilab Tevatron. Physical Review D, 2001, 64, .	1.6	207
30	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. Physical Review Letters, 2012, 109, 071804.	2.9	201
31	Suppression of non-prompt $J/\psi$ , prompt $J/\psi$ , and $\psi(1S)$ in $PbPb$ collisions at $\sqrt{s}=2.76\text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	200
32	Observation of Electroweak Single Top-Quark Production. Physical Review Letters, 2009, 103, 092002.	2.9	199
33	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
34	Measurement of $J/\psi$ and $\psi(2S)$ Polarization in $pp$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 85, 2886-2891.	2.9	196
35	Analysis of the Quantum Numbers $J^{PC}$ of the $X(3872)$ Particle. Physical Review Letters, 2007, 98, 132002.	2.9	193
36	Polarizations of $J/\psi$ and $\psi(2S)$ in $pp$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 85, 2886-2891.	2.9	192

#	ARTICLE	IF	CITATIONS
37	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.	1.4	191
38	A New Parameterization of the Nucleon Elastic Form Factors. Nuclear Physics, Section B, Proceedings Supplements, 2006, 159, 127-132.	0.5	190
39	Observation of Bc mesons in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 58, .	1.6	189
40	Measurements of inclusive $W$ and $Z$ cross sections in pp collisions at $\sqrt{s} = 1.96$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2457-2544.	1.4	188
41	Forward-Backward Asymmetry in Top Quark Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 202001.	2.9	187
42	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.	1.4	181
43	First Flavor Tagged Determination of Bounds on Mixing-Induced $CP$ Violation in $B \rightarrow D^* P$ Decays. Physical Review Letters, 2008, 101, 101802.	2.9	179
44	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.	1.4	179
45	Measurement of the antiproton-proton total cross section at $\sqrt{s} = 546$ and 1800 GeV. Physical Review D, 1994, 50, 5550-5561.	1.6	178
46	Search for $B_s \rightarrow \tau^+ \tau^-$ and $B \rightarrow \tau^+ \tau^-$ Decays with $\tau \rightarrow \mu \nu$ in pp Collisions. Physical Review Letters, 2008, 101, 101802.	2.9	177
47			

#	ARTICLE	IF	CITATIONS
55	Observation of Exclusive Charmonium Production and $\chi_{c0}$ Production in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 242001.	2.9	153
56	Measurement of Prompt Charm Meson Production Cross Sections in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2003, 91, 241804.	2.9	149
57	Measurement of the inclusive jet cross section at the Fermilab Tevatron collider using a cone-based jet algorithm. Physical Review D, 2008, 78, .	1.6	149
58	Search for New Gauge Bosons Decaying into Dileptons in $pp$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 79, 2192-2197.	2.9	147
59	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.	1.4	147
60	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. Physical Review D, 2002, 65, .	1.6	142
61	Measurement of Muon Antineutrino Quasielastic Scattering on a Hydrocarbon Target at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2013, 111, 022501.	2.9	142
62	Measurement of the $B_s^0 \rightarrow B_s^0$ Oscillation Frequency. Physical Review Letters, 2006, 97, 062003.	2.9	141
63	Measurement of small angle antiproton-proton elastic scattering at $\sqrt{s} = 546$ and 1800 GeV. Physical Review D, 1994, 50, 5518-5534.	1.6	139
64	Strange particle production in $pp$ collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	139
65	Design, calibration, and performance of the MINERvA detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 743, 130-159.	0.7	139
66	Precise measurement of neutrino and antineutrino differential cross sections. Physical Review D, 2006, 74, .	1.6	136
67	$\chi_{c0}$ Production and Polarization in $pp$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2002, 88, 161802.	2.9	135
68	Prompt and non-prompt $J/\psi$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	135
69	Transverse Momentum and Total Cross Section of $e^+e^-$ Pairs in the Z-Boson Region from $pp$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 845-850.	2.9	131
70	A search for a doubly-charged Higgs boson in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	129
71	Search for Flavor-Changing Neutral Current Decays of the Top Quark in $pp$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1998, 80, 2525-2530.	2.9	127
72	Measurement of differential top-quark-pair production cross sections in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	125

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73	Top quark mass measurement using the template method in the lepton+jets channel at CDF II. Physical Review D, 2006, 73, .	1.6	124
74	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tau$ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
75	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 13.6, 13.8$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
76	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	122
77	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. Physical Review D, 2013, 87, .	1.6	122
78	Measurement of the Dipion Mass Spectrum in $X(3872) \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ Decays. Physical Review Letters, 2006, 96, 102002.	2.9	121
79	Observation of the Baryonic Flavor-Changing Neutral Current Decay $\Lambda_b^0 \rightarrow \Lambda^0 \pi^+ \pi^-$ . Physical Review Letters, 2011, 107, 201802.	2.9	121
80	Vector and axial nucleon form factors: A duality constrained parameterization. European Physical Journal C, 2008, 53, 349-354.	1.4	120
81	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
82	Diffraction Dijets with a Leading Antiproton in $p\bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV. Physical Review Letters, 2000, 84, 5043-5048.	2.9	119
83	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	118
84	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.	1.6	117
85	First Measurement of the $t\bar{t}$ Differential Cross Section $d\sigma/dM_{t\bar{t}}$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 222003.	2.9	115
86	Measurement of the inclusive jet cross section using the $k_T$ algorithm in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV with the CDF II detector. Physical Review D, 2007, 75, .	1.6	114
87	Combination of Tevatron Searches for the Standard Model Higgs Boson in the $W \rightarrow \mu \mu$ Mode. Physical Review Letters, 2010, 104, 061802.	2.9	114
88	Production of $f_0(1370)$ Mesons from $\Lambda_b^0$ Decays in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 2094-2099.	2.9	111
89	First Measurements of Inclusive W and Z Cross Sections from Run II of the Fermilab Tevatron Collider. Physical Review Letters, 2005, 94, 091803.	2.9	111
90	The CDF plug upgrade electromagnetic calorimeter: test beam results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 480, 524-546.	0.7	110

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91	Combination of the top-quark mass measurements from the Tevatron collider. Physical Review D, 2012, 86, .	1.6	109
92	Further studies of Fermi-motion effects in lepton scattering from nuclear targets. Physical Review D, 1981, 24, 1400-1402.	1.6	108
93	Invariant Mass Distribution of Jet Pairs Produced in Association with a W Boson in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 106, 171801.	2.9	108
94	Measurements of the Angular Distributions in the Decays $B \rightarrow K^* \ell^+ \ell^-$ . Physical Review Letters, 2012, 108, 081807.	2.9	108
95	Measurement of the $B \rightarrow c \ell^+ \ell^-$ Decays. Physical Review Letters, 2006, 100, 162002.	2.9	106
96	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36,$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	106
97	Precise Measurement of the W-Boson Mass with the CDF II Detector. Physical Review Letters, 2012, 108, 151803.	2.9	106
98	Measurement of p single diffraction dissociation at $\sqrt{s} = 546$ and 1800 GeV. Physical Review D, 1994, 50, 5535-5549.	1.6	105
99	Measurement of $\sin^2 2\beta$ from $B \rightarrow J/\psi K_S$ with the CDF detector. Physical Review D, 2000, 61, .	1.6	105
100	Observation of the Heavy Baryons $\Lambda_c^+ \Lambda_b^0$ and $\Sigma_c^+ \Sigma_b^0$ . Physical Review Letters, 2007, 99, 202001.	2.9	105
101	Measurement of the Nucleon Strange-Antistrange Asymmetry at Next-to-Leading Order in QCD from NuTeV Dimuon Data. Physical Review Letters, 2007, 99, 192001.	2.9	104
102	Search for Charged Higgs Bosons from Top Quark Decays in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 042003.	2.9	103
103	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
104	Search for Charged Higgs Bosons in Decays of Top Quarks in pp Collisions. Physical Review Letters, 2009, 103, 101803.	2.9	102
105	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
106	Evidence for $D^0 \rightarrow \bar{A}^0$ Mixing Using the CDF II Detector. Physical Review Letters, 2008, 100, 121802.	1.6	100
107	Neutrino quasielastic scattering on nuclear targets. European Physical Journal C, 2011, 71, 1.	1.4	100
108	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	100

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109	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	99
110	Higgs boson studies at the Tevatron. Physical Review D, 2013, 88, .	1.6	98
111	Search for new phenomena with the $M_{T2}$ variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 710.	1.4	98
112	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	97
113	Search for supersymmetry in hadronic final states using $M_{T2}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	95
114	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
115	Precision Measurement of the $X$ $3872$ $T_j$ $ETQq1$ $1.0784314$ $rgBT$ /Overlock 10 Tf 50 502 Td (stretchy="false")		94
116	Measurement of the W boson mass. Physical Review D, 1995, 52, 4784-4827.	1.6	93
117	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. Physical Review Letters, 1997, 79, 357-362.	2.9	92
118	Search for Doubly Charged Higgs Bosons Decaying to Dileptons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 221802.	2.9	92
119	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.	1.6	92
120	Direct Measurement of the $W$ Production Charge Asymmetry in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.	2.9	91
121	Identification of Nuclear Effects in Neutrino-Carbon Interactions at Low Three-Momentum Transfer. Physical Review Letters, 2016, 116, 071802.	2.9	91
122	Measurement of the Difference in CP-Violating Asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays at CDF. Physical Review Letters, 2012, 109, 111801.	2.9	88
123	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.	1.4	88
124	Search for High-Mass Resonances Decaying to Dimuons at CDF. Physical Review Letters, 2009, 102, 091805.	2.9	87
125	Observation and Mass Measurement of the Baryon $\Lambda_b^0$ . Physical Review Letters, 2007, 99, 052002.	2.9	86
126	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.	1.6	86



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127	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
128	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.	1.6	85
129	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.	1.6	85
130	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
131	Observation of Diffractive W-Boson Production at the Fermilab Tevatron. Physical Review Letters, 1997, 78, 2698-2703.	2.9	84
132	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
133	Measurement of inclusive jet cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	83
134	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.	1.6	83
135	Measurement of the differential cross section and charge asymmetry for inclusive $W \rightarrow \mu \nu$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
136	Measurement of prompt and nonprompt charmonium suppression in $\text{PbPb}$ collisions at $5.02$ TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
137	$\tilde{\chi}^0$ Production in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 75, 4358-4363.	2.9	82
138	Underlying event in hard interactions at the Fermilab Tevatron p-p collider. Physical Review D, 2004, 70, .	1.6	82
139	Measurement of Bottom-Quark Hadron Masses in Exclusive $J/\psi$ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 202001.	2.9	82
140	Suppression and azimuthal anisotropy of prompt and nonprompt $J/\psi$ production in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
141	Transverse Energy Produced in pp Collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	2.9	81
142	$J/\psi$ and $\tilde{\chi}^0(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
143	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	81
144	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81

#	ARTICLE	IF	CITATIONS
145	Measurement of the Top Quark Mass and $t\bar{t}$ Production Cross Section from Dilepton Events at the Collider Detector at Fermilab. Physical Review Letters, 1998, 80, 2779-2784.	2.9	80
146	Observation of Orbitally Excited $B_s^*$ Mesons. Physical Review Letters, 2008, 100, 082001.	2.9	80
147	Measurement of the inclusive jet cross section in $pp$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2001, 64, .	1.6	79
148	Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 98, 112001.	2.9	79
149	Measurement of the Lepton Charge Asymmetry in $W$ -Boson Decays Produced in $pp$ Collisions. Physical Review Letters, 1998, 81, 5754-5759.	2.9	78
150	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
151	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 75.	1.4	78
152	Search for Gluinos and Scalar Quarks in $pp$ Collisions at $\sqrt{s}=1.8$ TeV Using the Missing Energy plus Multijets Signature. Physical Review Letters, 2002, 88, 041801.	2.9	77
153	Observation of single top quark production and measurement of $ V_{tb} $ with CDF. Physical Review D, 2010, 82, .	1.6	77
154	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
155	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab. Physical Review Letters, 1996, 77, 5336-5341.	2.9	76
156	Study of jet shapes in inclusive jet production in $pp$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	1.6	76
157	Evidence for the Exclusive Decay $B_c^{\pm} \rightarrow J/\psi \ell^{\pm}$ and Measurement of the Mass of the $B_c^{\pm}$ Meson. Physical Review Letters, 2006, 96, 082002.	2.9	76
158	Measurement of the cross section for $W$ -boson production in association with jets in $pp$ collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 111, 011801.	1.6	76
159	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. Physical Review Letters, 1997, 79, 2636-2641.	2.9	75
160	Measurement of the Top Quark Mass with the Collider Detector at Fermilab. Physical Review Letters, 1999, 82, 271-276.	2.9	75
161	Study of exclusive two-photon production of $W+W^*$ in $pp$ collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
162	Studies of dijet transverse momentum balance and pseudorapidity distributions in $pPb$ collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	75

#	ARTICLE	IF	CITATIONS
163	Measurement of the $B^+$ total cross section and $B^+$ differential cross section $d\sigma/dp_T$ in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 65, . Search for New Bottomlike Quark Pair Decays	1.6	74
164	$Q\bar{Q} \rightarrow \hat{A}^- \hat{A}^+$		

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[Redacted]

#	ARTICLE	IF	CITATIONS
181	Search for $Z\tau^+\tau^-$ Using Dielectron Mass and Angular Distribution. Physical Review Letters, 2006, 96, 211801.	2.9	69
182	Search for New Physics in High-Mass Electron-Positron Events in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 171802.	2.9	69
183	Inclusive Search for Squark and Gluino Production in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 121801.	2.9	69
184	Measurement of the $\sigma(\text{pp} \rightarrow \tau^+\tau^-)$ production cross section in the dilepton channel in $pp$ collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	69
185	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. Physical Review D, 2014, 89, .	1.6	69
186	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	69
187	Measurement of $b\bar{b}$ production correlations, $B^0B^0$ mixing, and a limit on $\mu$ in $pp$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1997, 55, 2546-2558.	1.6	68
188	Search for anomalous production of multilepton events in $pp$ collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	68
189	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	1.4	68
190	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	68
191	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	1.6	68
192	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	1.4	68
193	Measurement of the $\sigma(\text{pp} \rightarrow \tau^+\tau^-)$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 368.	1.4	68
194	Measurement of Coherent Production of $\nu\bar{\nu}$ in Neutrino and Antineutrino Beams on Carbon from $E_{\nu} = 1.5$ to 20 GeV. Physical Review Letters, 2014, 113, 261802.	2.9	67
195	Combination of CDF and D0 $W$ -Boson mass measurements. Physical Review D, 2013, 88, .	1.6	66
196	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
197	Measurement of CP-violating asymmetries in $D^0 \rightarrow \tau^+\tau^-$ and $D^0 \rightarrow K^+K^-$ decays at CDF. Physical Review D, 2012, 85, .	1.6	65
198	Measurement of differential cross sections for the production of a pair of isolated photons in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	1.4	65

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201	Measurement of the $W+W$ Production Cross Section and Search for Anomalous $WW^3$ and $WWZ$ Couplings in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 104, 2.9 201801.	2.9	64
202	Measurement of the sum of $WW$ and $WZ$ production with $W$ +dijet events in $pp$ collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2283.	1.4	64
203	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
204	Prompt photon cross section measurement in $pp$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1993, 48, 2998-3025.	1.6	63
205	Measurement of $W$ -Photon Couplings in $p$ - $p$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1995, 74, 1936-1940.	2.9	63
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207	Search for Exclusive $Z$ -Boson Production and Observation of High-Mass $pp \rightarrow p^3 p^3 \rightarrow p^3 p^3$ Events in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 222002.	2.9	63
208	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
209	Measurement of $\sigma(B \rightarrow W^+ e^+ \nu_e)$ and $\sigma(B \rightarrow Z^+ e^+ \nu_e)$ in $pp$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1996, 76, 3070-3075.	2.9	62
210	Search for the decays $B \rightarrow D^+ \pi^+ \pi^0$ and $B \rightarrow D^+ \pi^+ \pi^0$ in $pp$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1998, 57, 13811-13816.	1.6	62
211	Measurement of the Bottom-Strange Meson Mixing Phase in the Full CDF Data Set. Physical Review Letters, 2012, 109, 171802.	2.9	62
212	Measurement of the $W+W$ cross section in $pp$ collisions at $\sqrt{s}=7$ TeV and limits on anomalous $WW^3$ and $WWZ$ couplings. European Physical Journal C, 2013, 73, 1.	1.4	62
213	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in $pp$ collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 13.	1.4	62
214	Search for dark matter produced with an energetic jet or a hadronically decaying $W$ or $Z$ boson at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
215	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
216	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2001, 64, .	1.6	61

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218	Search for $B_s^0 \rightarrow \tau^+ \tau^-$ and $B_d^0 \rightarrow \tau^+ \tau^-$ Decays in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 032001.	2.9	60
219	Design, performance, and calibration of CMS forward calorimeter wedges. European Physical Journal C, 2008, 53, 139-166.	1.4	60
220	Search for the Flavor-Changing Neutral-Current Decay $t \rightarrow Z q$ in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 111, 011802.	2.9	60
221	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	1.4	60
222	Measurement of the $t\bar{t}$ Production Cross Section in pp Collisions at $\sqrt{s} = 1.96$ TeV Using Dilepton Events. Physical Review Letters, 2004, 93, 142001.	2.9	59
223	Search for Exclusive $\tau^3$ Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 99, 242002.	2.9	59
224	Search for High-Mass $t\bar{t}$ Production in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 111, 011802.	2.9	59
225	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	59
226	Measurement of the W boson mass with the Collider Detector at Fermilab. Physical Review D, 2001, 64, .	1.6	58
227	Search for Long-Lived Massive Charged Particles in 1.96 TeV pp Collisions. Physical Review Letters, 2009, 103, 021802.	2.9	58
228	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
229	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
230	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
231	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	1.4	58
232	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at 8 TeV. European Physical Journal C, 2018, 78, 701.	1.4	58
233	Measurement of the top quark mass with the collider detector at Fermilab. Physical Review D, 2001, 63, .	1.6	57
234	Improved low Q <sup>2</sup> model for neutrino and electron nucleon cross sections in few GeV region. Nuclear Physics, Section B, Proceedings Supplements, 2005, 139, 113-118.	0.5	57

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254	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
255	Evidence for color coherence in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1994, 50, 5562-5579.	1.6	53
256	Measurement of the Lifetime Difference between $B_s$ Mass Eigenstates. Physical Review Letters, 2005, 94, 101803.	2.9	53
257	Global search for new physics with $\sqrt{s} = 1.8$ TeV at CDF. Physical Review D, 2009, 79, .	1.6	53
258	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. Journal of High Energy Physics, 2011, 2011, 1.	1.6	53
259	Measurement of prompt and nonprompt $J/\psi$ production in pp and pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53
260	Search for Third Generation Leptoquarks in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 78, 2906-2911.	2.9	52
261	Search for Scalar Top and Scalar Bottom Quarks in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 5704-5709.	2.9	52
262	Search for the Production of Narrow Resonances in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2009, 103, 041801.	2.9	52
263	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
264	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
265	Measurements of the $Z\bar{Z}$ production cross section and the $Z\bar{Z}$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 1.8$ TeV. European Physical Journal C, 2018, 78, 165.	1.4	52
266	Measurement of Final-State Correlations in Neutrino Muon-Proton Mesonless Production on Hydrocarbon at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2018, 121, 022504.	2.9	52
267	Calibration of the CCFR target calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 294, 179-192.	0.7	51
268	Measurement of branching ratio and $B_s \rightarrow \mu^+ \mu^-$ in the decay $B_s \rightarrow \mu^+ \mu^-$ . Physical Review D, 2011, 84, .	1.6	51
269	Search for exclusive or semi-exclusive $\hat{t}\hat{t}^*$ production and observation of exclusive and semi-exclusive $e^+e^-$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	51
270	Study of orbitally excited mesons and evidence for a new resonance. Physical Review D, 2014, 90, .	1.6	51



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272	Combination of CDF and D0 results on the $W$ boson mass and width. Physical Review D, 2004, 70, .	1.6	50
273	Measurement of $\sigma(\text{pp} \rightarrow \text{Z} + \text{b} + \text{b})$ in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 231801.	1.6	50
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275	Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron. Physical Review D, 2010, 82, .	1.6	50
276	Measurements of Direct $C \rightarrow P$ Violating Asymmetries in Charmless Decays of Strange Bottom Mesons and Bottom Baryons. Physical Review Letters, 2011, 106, 181802.	2.9	50
277	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
278	Cross sections for $\pi^0$ and $\eta$ induced pion production on hydrocarbon in the few-GeV region using MINERvA. Physical Review D, 2016, 94, .	1.6	50
279	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 564.	1.4	50
280	Search for Long-Lived Charged Massive Particles in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2003, 90, 131801.	2.9	49
281	Measurement of the Inclusive Jet Cross Section Using the $k_T$ Algorithm in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 122001.	2.9	49
282	First run II measurement of the $W$ boson mass at the Fermilab Tevatron. Physical Review D, 2008, 77, .	1.6	49
283	Measurement of the properties of the $W$ boson and measurement of the properties of the $W$ boson. Physical Review D, 2008, 77, .	1.6	49
284	Measurement of the $W$ boson mass at the Fermilab Tevatron. Physical Review D, 2008, 77, .	2.9	49
285	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	49
286	Search for leptonic decays of $W$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	49
287	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49
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290	Search for new physics in events with same-sign dileptons and jets in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	48
291	Measurement of Ratios of Charged-Current Cross Sections on C, Fe, and Pb to CH at Neutrino Energies $2 \leq E \leq 20$ GeV. Physical Review Letters, 2011, 2011, 1.	2.9	48
292	Measurement of $\mu^+\mu^-$ proton final states in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
293	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
294	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	1.4	48
295	Comparison of jet production in $p\bar{p}$ collisions at $\sqrt{s} = 546$ and 1800 GeV. Physical Review Letters, 1993, 70, 1376-1380.	2.9	47
296	Searches for New Physics in Diphoton Events in $pp$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1998, 81, 1791-1796.	2.9	47
297	Measurement of $B$ hadron lifetimes using $J/\psi$ final states at CDF. Physical Review D, 1998, 57, 5382-5401.	1.6	47
298	Measurements of the properties of $\Lambda_c(2595)$ , $\Lambda_c(2625)$ , $\Lambda_c(2455)$ , and $\Lambda_c(2520)$ baryons. Physical Review D, 2011, 84, .	1.6	47
299	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. Journal of High Energy Physics, 2013, 2013, 1.	1.6	47
300	Measurement of the forward-backward charge asymmetry of electron-positron pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, .	1.6	46
301	First Measurement of the $W$ -Boson Mass in Run II of the Tevatron. Physical Review Letters, 2007, 99, 151801.	2.9	46
302	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46
303	Transverse momentum cross section of $pp \rightarrow \mu^+\mu^- + \text{jet}$ in the $Z$ boson region from $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	2.9	46
304	Search for narrow resonances and quantum black holes in inclusive and $b$ -tagged dijet mass spectra from $pp$ collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	46
305	Search for narrow resonances and quantum black holes in inclusive and $b$ -tagged dijet mass spectra from $pp$ collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	46
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308	Measurement of quasielastic-like neutrino scattering at $\sqrt{s} = 1.6$ Te. Physical Review D, 2019, 99, .	1.6	46
309	Measurement of the $B^+$ production cross section in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2007, 75, .	1.6	45
310	Measurement of the Single-Top-Quark Production Cross Section at CDF. Physical Review Letters, 2008, 101, 252001.	2.9	45
311	Search for Doubly Charged Higgs Bosons with Lepton-Flavor-Violating Decays Involving $\tau$ , Leptons. Physical Review Letters, 2008, 101, 121801.	2.9	45
312	Measurement of the $B^0 \rightarrow \tau^+ \tau^-$ spin correlation in $pp$ collisions using $B^0 \rightarrow \tau^+ \tau^-$ collisions. Physical Review Letters, 2015, 115, 152003.	1.6	45
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314	Search for heavy bottom-like quarks in $4.9 \text{ fb}^{-1}$ of $pp$ collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
315	Tevatron Combination of Single-Top-Quark Cross Sections and Determination of the Magnitude of the Cabibbo-Kobayashi-Maskawa Matrix Element $ V_{cb} $ . Physical Review Letters, 2015, 115, 152003.	2.9	45
316	Measurement of the inclusive jet cross section in $pp$ interactions at $\sqrt{s} = 1.96$ TeV using a cone-based jet algorithm. Physical Review D, 2006, 74, .	1.6	44
317	Observation of New Charmless Decays of Bottom Hadrons. Physical Review Letters, 2009, 103, 031801.	2.9	44
318	Measurement of the inclusive isolated prompt photon cross section in $pp$ collisions at $\sqrt{s} = 1.96$ TeV using the CDF detector. Physical Review D, 2009, 80, .	1.6	44
319	Search for microscopic black holes in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
320	Search for a light charged Higgs boson decaying to $c \bar{s}$ in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
321	Search for decays of stopped long-lived particles produced in proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	1.4	44
322	Search for standard model production of four top quarks with same-sign and multilepton final states in proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	1.4	44
323	Observation of $b \rightarrow \tau^+ \tau^-$ at the Fermilab proton-antiproton collider. Physical Review D, 1997, 55, 1142-1152.	1.6	43
324	Search for Large Extra Dimensions in the Production of Jets and Missing Transverse Energy in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 171802.	2.9	43

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326	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8\text{ TeV}$ . <i>European Physical Journal C</i> , 2014, 74, 3060.	1.4	43
327	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	43
328	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ . <i>European Physical Journal C</i> , 2015, 75, 325.	1.4	43
329	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	43
330	Constraint of the MINERvA medium energy neutrino flux using neutrino-electron elastic scattering. <i>Physical Review D</i> , 2019, 100, .	1.6	43
331	Searches for new physics in diphoton events in $pp(\overline{\Lambda})$ collisions at $\sqrt{s} = 1.8\text{ TeV}$ . <i>Physical Review D</i> , 1999, 59, .	1.6	42
332	Soft and hard interactions in $pp(\overline{\Lambda})$ collisions at $\sqrt{s} = 1800$ and $630\text{ GeV}$ . <i>Physical Review D</i> , 2002, 65, .	1.6	42
333	Measurement of $B(\tau^+\tau^-W_b)/B(\tau^+\tau^-W_q)$ at the Collider Detector at Fermilab. <i>Physical Review Letters</i> , 2005, 95, 102002.	2.9	42
334	Search for New High-Mass Particles Decaying to Lepton Pairs in $pp(\overline{\Lambda})$ Collisions at $\sqrt{s} = 1.96\text{ TeV}$ . <i>Physical Review Letters</i> , 2005, 95, 252001.	2.9	42
335	Measurement of the Top-Quark Mass with Dilepton Events Selected Using Neuroevolution at CDF. <i>Physical Review Letters</i> , 2009, 102, 152001.	2.9	42
336	Production of $\overline{\Lambda}(2S)$ mesons in $pp(\overline{\Lambda})$ collisions at $1.96\text{ TeV}$ . <i>Physical Review D</i> , 2009, 80, .	1.6	42
337	Measurement of the top-quark mass in $\overline{\Lambda}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7\text{ TeV}$ . <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	42
338	Single neutral pion production by charged-current $\overline{\Lambda}$ interactions on hydrocarbon at $\sqrt{s} = 1.96\text{ TeV}$ . <i>Physical Review Letters</i> , 2005, 95, 252001.	1.5	42
339	Evidence for exclusive $\overline{\Lambda}^0 \rightarrow W^+ W^-$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 7$ and $8\text{ TeV}$ . <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	42
340	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	42
341	Measurement of the Strong Coupling Constant from Inclusive Jet Production at the Tevatron $p\bar{p}$ Collider. <i>Physical Review Letters</i> , 2002, 88, 042001.	2.9	41
342	Limits on Extra Dimensions and New Particle Production in the Exclusive Photon and Missing Energy Signature in $pp(\overline{\Lambda})$ Collisions at $\sqrt{s} = 1.8\text{ TeV}$ . <i>Physical Review Letters</i> , 2002, 89, 281801.	2.9	41

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344	Inclusive Search for New Physics with Like-Sign Dilepton Events in $pp \rightarrow t\bar{t}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 221803.	2.9	41
345	Production of $t\bar{t}$ in $pp$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 221803.	2.9	41
346	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.	1.6	41
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353	Search for New Physics Using High-Mass Tau Pairs from 1.96 TeV $pp \rightarrow t\bar{t}$ Collisions. Physical Review Letters, 2005, 95, 131801.	2.9	40
354	Model-independent and quasi-model-independent search for new physics at CDF. Physical Review D, 2008, 78, .	1.6	40
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364	Direct Search for Dirac Magnetic Monopoles in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 201801.	2.9	39
365	Measurement of Lifetime and Decay-Width Difference in $B_s^0 \rightarrow J/\psi \ell \bar{\ell}$ Decays. Physical Review Letters, 2008, 100, 121803.	2.9	39
366	Search for resonances in the dilepton mass distribution in $pp$ collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	39
367	Precision Top-Quark Mass Measurement at CDF. Physical Review Letters, 2012, 109, 152003.	2.9	39
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378	Inclusive Search for Standard Model Higgs Boson Production in the $WW$ Decay Channel Using the CDF II Detector. Physical Review Letters, 2010, 104, 061803.	2.9	38

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454	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.	1.4	32
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462	Search for Heavy Toplike Quarks Using Lepton Plus Jets Events in $1.96$ TeV $p\bar{p}$ Collisions. Physical Review Letters, 2008, 100, 161803.	2.9	31
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464	Measurement of the cross section for prompt isolated diphoton production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 84, .	1.6	31
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477	Measurement of ratios of fragmentation fractions for bottom hadrons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2008, 77, 071101.	1.6	30
478	Design, performance, and calibration of CMS hadron-barrel calorimeter wedges. <i>European Physical Journal C</i> , 2008, 55, 159-171.	1.4	30
479	Measurement of ratios of fragmentation fractions for bottom hadrons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2008, 77, 071101.	1.6	30
480	Strong Evidence for $ZZ$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008, 100, 201801.	2.9	30
481	Search for Pair Production of Supersymmetric Top Quarks in Dilepton Events from $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2010, 104, 251801.	2.9	30
482	Measurement of $W$ -Boson Polarization in Top-Quark Decay in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2010, 105, 042002.	2.9	30
483	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	30
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485	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	30
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493	Measurement of $\overline{\text{t}}$ -production cross section in $\text{pp} \rightarrow \overline{\text{t}}$ collisions at $\sqrt{s}=1.96$ TeV using kinematic fitting of b-tagged lepton+jet events. Physical Review D, 2005, 71, .	1.6	29
494	Measurement of the Top-Quark Mass in All-Hadronic Decays in $\text{pp} \rightarrow \overline{\text{t}}$ Collisions at CDF II. Physical Review Letters, 2007, 98, 142001.	2.9	29
495	Precision measurement of the top-quark mass from dilepton events at CDF II. Physical Review D, 2007, 75, .	1.6	29
496	Measurement of cross sections for b jet production in events with a Z boson in $\text{pp} \rightarrow \overline{\text{t}}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2009, 79, .	1.6	29
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499	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	29
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502	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the $\alpha_{\text{T}}$ variable. European Physical Journal C, 2017, 77, 294.	1.4	29
503	Measurement of $\overline{\text{t}}$ charged-current single $\overline{\text{e}}$ production on hydrocarbon in the few-GeV region using MINERvA. Physical Review D, 2017, 96, .	1.6	29
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506	Production of $\tau^+\tau^-$ in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2001, 86, 3963-3968.	2.9	28
507	Search for Long-Lived Doubly Charged Higgs Bosons in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 95, 071801.	2.9	28
508	Search for a Fermiophobic Higgs Boson Decaying into Diphotons in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 061803.	2.9	28
509	Observation of the $b\bar{b}$ production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2011, 107, 102001.	2.9	28
510	Combined Search for the Standard Model Higgs Boson Decaying to a $b\bar{b}$ Pair Using the Full CDF Data Set. Physical Review Letters, 2012, 109, 111802.	2.9	28
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520	Search for WW and WZ Resonances Decaying to Electron, Missing ET, and Two Jets in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 104, 241801.	2.9	27
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548	Top-Quark Mass Measurement from Dilepton Events at CDF II. Physical Review Letters, 2006, 96, 152002.	2.9	25
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555	Measurement of the Mass Difference between $t$ and $\tilde{t}$ Quarks. Physical Review Letters, 2011, 106, 152001.	2.9	25
556	Search for the Standard Model Higgs Boson Decaying to $ab\tilde{\chi}^0_1$ Pair in Events with Two Oppositely Charged Leptons Using the Full CDF Data Set. Physical Review Letters, 2012, 109, 111803.	2.9	25
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569	Direct Top-Quark Width Measurement at CDF. Physical Review Letters, 2010, 105, 232003.	2.9	24
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584	Measurement of correlated $\text{bb}^0$ production in pp collisions at $\sqrt{s} = 1960$ GeV. Physical Review D, 2008, 77, .	1.6	23
585	Search for the Production of Scalar Bottom Quarks in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 081802.	2.9	23
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602	Search for $V+A$ Current in Top-Quark Decays in $pp \rightarrow t\bar{t}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 072001.	2.9	22
603	Search for Heavy Long-Lived Particles that Decay to Photons at CDF II. Physical Review Letters, 2007, 99, 121801.	2.9	22
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615	Search for massive resonances decaying into $WW$ , $WZ$ or $ZZ$ bosons in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
616	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
617	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 $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
618	Search for direct pair production of supersymmetric partners to the $\tau$ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 189.	1.4	22
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622	Search for a $W \rightarrow B$ Boson Decaying to a Top and Bottom Quark Pair in $pp$ Collisions. Physical Review Letters, 2003, 90, 081802.	2.9	21
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625	First Observation of $B \rightarrow B^* \gamma$ Decays. Physical Review Letters, 2009, 103, 191802.	2.9	21
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627	Observation of $B \rightarrow B^* \gamma$ and $B \rightarrow B \gamma$ decays. Physical Review D, 2011, 83, .	1.6	21
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636	Measurement of the $B_d \rightarrow B_d$ flavor oscillation frequency and study of same side flavor tagging of B mesons in $p\bar{p}$ collisions. Physical Review D, 1998, 59, .	1.6	20
637	Diffraction Dijet Production at $\sqrt{s}=630$ and 1800 GeV at the Fermilab Tevatron. Physical Review Letters, 2002, 88, 151802.	2.9	20
638	Measurement of the bjet cross section in events with a Z boson in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2006, 74, .	1.6	20
639	Search for $W \rightarrow e\nu$ boson decaying to electron-neutrino pairs in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2007, 75, .	1.6	20
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783	Measurement of $\sigma(\text{lepton} + \text{jet})$ using $pp$ collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2016, 94, .	1.6	14
784	Measurement of $K^+$ production in charged-current $pp$ interactions. Physical Review D, 2016, 94, .	1.6	14
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791	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
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814	Measurement of CP-violation asymmetries in $D^0 \rightarrow K_S^0 \pi^+ \pi^-$ . Physical Review D, 2012, 86, .	1.6	13
815	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	1.6	13
816	Search for high-mass resonances decaying into ZZ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 85, .	1.6	13
817	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. Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
818	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, .	1.6	13
819	Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set. Physical Review D, 2013, 88, .	1.6	13
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826	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
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836	Search for $t\bar{t}$ 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, .	2.9	12
837	Search for $t\bar{t}$ 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, .	2.9	12
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851	Search for Chargino-Neutralino Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 191806.	2.9	11
852	Search for new physics in lepton+photon+X events with $92.9 \text{ pb}^{-1}$ of pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2007, 75, .	1.6	11
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858	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, .	1.6	11
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862	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using $H \rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
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864	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.	1.6	11

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867	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.	1.4	11
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872	Search for standard model Higgs boson production in association with a $W$ boson at CDF. Physical Review D, 2008, 78, .	1.6	10
873	Search for the Associated Production of the Standard-Model Higgs Boson in the All-Hadronic Channel. Physical Review Letters, 2009, 103, 221801.	2.9	10
874	Search for the Higgs boson produced in association with a $Z$ boson at CDF II. Physical Review D, 2009, 80, .	1.6	10
875	Search for the Higgs boson produced in association with a $Z$ boson at CDF II. Physical Review D, 2009, 80, .	1.6	10
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877	Measurement of the $WW+WZ$ production cross section using a matrix element technique in lepton+jet events. Physical Review D, 2010, 82, .	1.6	10
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887	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	10
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889	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7 \sqrt{s}$ TeV. <i>European Physical Journal C</i> , 2018, 78, 242.	1.4	10
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891	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u} \rightarrow q\bar{q}$ final state. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	10
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893	Comparison of optical potential for nucleons and $\Delta$ resonances. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	10
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896	Search for Higgs Bosons Decaying to $b\bar{b}$ and Produced in Association with $W$ Bosons in $pp$ Collisions at $\sqrt{s} = 1.96 \sqrt{s}$ TeV. <i>Physical Review Letters</i> , 2006, 96, 081803.	2.9	9
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913	Updated search for the flavor-changing neutral-current decay $D^0 \rightarrow \tau^+ \tau^- \nu_\tau$ in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	1.6	8
914	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, .	1.6	8
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917	Measurement of the top-quark mass in the all-hadronic channel using the full CDF data set. Physical Review D, 2014, 90, .	1.6	8
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934	Search for Technicolor Particles Produced in Association with a $W$ Boson at CDF. Physical Review Letters, 2010, 104, 111802.	2.9	7
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939	Novel inclusive search for the Higgs boson in the four-lepton final state at CDF. Physical Review D, 2012, 86, .	1.6	7
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