

Arie Bodek

List of Publications by Year in descending order

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Version: 2024-02-01

1,072
papers

50,132
citations

1980

101
h-index

5519

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/ψ 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/ψ 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 $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 81, 2432-2437.	2.9	285
20	Evidence for a Narrow Near-Threshold Structure in the J/ψ Mass Spectrum in pp Collisions at $\sqrt{s}=1.8$ 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 $\sqrt{s}=1.8$ TeV. Physical Review D, 1997, 56, 3811-3832.	1.6	246
23	Inclusive J/ψ , $\Upsilon(2S)$, and b -quark production in pp collisions at $\sqrt{s}=1.8$ 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 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/ψ Mesons from Υ Meson Decays in pp Collisions at $\sqrt{s}=1.8$ 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 $\sqrt{s}=1.96$ 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 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/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ 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/ψ and $\Upsilon(2S)$ Polarization in pp Collisions at $\sqrt{s}=1.8$ 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/ψ and $\Upsilon(2S)$ in pp collisions at $\sqrt{s}=1.8$ 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 $\sqrt{s} = 1.96$ TeV collisions. 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 $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2013, 110, 111801.	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 2fb^{-1} of pp Collisions. Physical Review Letters, 2008, 100, 101802.	2.0	177
47			

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55	Observation of Exclusive Charmonium Production and $\frac{d\sigma}{d\Omega}(\chi_{c0} \rightarrow J/\psi \gamma)$ $= \frac{d\sigma}{d\Omega}(\chi_{c0} \rightarrow J/\psi) \times \frac{d\Gamma}{d\Omega}(\chi_{c0} \rightarrow J/\psi \gamma)$ Collisions Physical Review Letters, 2009, 102, 242001.	2.9	153
56	Measurement of Prompt Charm Meson Production Cross Sections in $p\bar{p}$ -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 $\frac{d\sigma}{d\Omega}(\text{jet})$ 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 $p\bar{p}$ -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 $\frac{d\sigma}{d\Omega}(\mu^+ \nu_e)$ $= 3.5$ 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	$\bar{\nu}$ Production and Polarization in $p\bar{p}$ -Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2002, 88, 161802.	2.9	135
68	Prompt and non-prompt J/ψ 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 $p\bar{p}$ -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 $p\bar{p}$ -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 τ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
75	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.	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 $X(3872) \rightarrow \pi^+ \pi^- \pi^0$ 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 Differential Cross Section $d\sigma/dM_{\tau\tau}$ in $p\bar{p} \rightarrow \tau^+\tau^-$ 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 $p\bar{p} \rightarrow$ 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 $W \rightarrow \tau^+\tau^-$ Mode. Physical Review Letters, 2010, 104, 061802.	2.9	114
88	Production of $f_0(1370)$ Mesons from Λ_b^0 Decays in $p\bar{p} \rightarrow$ 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

#	ARTICLE	IF	CITATIONS
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 Λ_b^0 and Σ_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 $\int_{0.784314}^{1.0784314} \text{rgBT} / \text{Overlock} 10 \text{Tf} 50 \text{2} \text{Td} (\text{stretchy}="false")$		
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 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 Λ_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 $\sqrt{s} = 13$ TeV proton-proton collisions. Physical Review Letters, 2013, 111, 072001.	2.9	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 $W^{\pm} + X$ 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 $\sqrt{s} = 5.02$ TeV PbPb collisions. 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 \bar{p} collider. Physical Review D, 2004, 70, .	1.6	82
139	Measurement of Bottom-Quark Hadron Masses in Exclusive J/ψ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 202001.	2.9	82
140	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ 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 $\sqrt{s} = 13$ TeV Proton-Proton Collisions at Large Missing Energy. Physical Review Letters, 2013, 111, 072001.	2.9	81
142	J/ψ 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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#	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
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345	Production of $t\bar{t}$ in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 221803.	2.9	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
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355	Measurement of Resonance Parameters of Orbitally Excited Narrow Mesons. Physical Review Letters, 2009, 102, 102003.	2.9	40
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359	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	1.4	40
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363	Measurement of the cross section for $t\bar{t}$ production in pp collisions using the kinematics of lepton+jets events. Physical Review D, 2005, 72, .	1.6	39
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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
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370	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.	1.6	39
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377	Measurement of Partial Widths and Search for Direct CP Violation in D^0 Meson Decays to $K^+ K^-$ and $\pi^+ \pi^-$. Physical Review Letters, 2005, 94, 122001.	2.9	38
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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398	Limits on Z-Photon Couplings from p- \bar{p} Interactions at $s=1.8$ TeV. Physical Review Letters, 1995, 74, 1941-1945.	2.9	36
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405	Search for resonances in $pp \rightarrow \tau^+ \tau^-$ collisions. Physical Review Letters, 2016, 116, 081802.	1.6	35
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417	Measurement of the $\tau^+ \rightarrow \mu^+ \nu_\tau$ production cross section in $pp \rightarrow \tau^+ \nu_\tau$ collisions at $\sqrt{s} = 1.96$ TeV using lepton plus jets events with semileptonic B decays to muons. <i>Physical Review D</i> , 2005, 72, .	1.6	34
418	Search for High Mass Resonances Decaying to Muon Pairs in $pp \rightarrow \mu^+ \mu^-$ Collisions. <i>Physical Review Letters</i> , 2011, 106, 121801.	2.9	34
419	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	34
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421	Search for microscopic black holes in pp collisions at $\sqrt{s} = \{7\text{TeV}\}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	34
422	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b -quark jets in 7 TeV pp collisions using the variable \hat{L}_T . <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	34
423	Evidence for a bottom baryon resonance Λ_b^0 in CDF data. <i>Physical Review D</i> , 2013, 88, .	1.6	34
424	Measurements of Direct $C \rightarrow P$ -Violating Asymmetries in Charmless Decays of Bottom Baryons. <i>Physical Review Letters</i> , 2014, 113, 242001.	2.9	34
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428	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.	1.4	34
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439	Measurement of partonic nuclear effects in deep-inelastic neutrino scattering using MINERvA. Physical Review D, 2016, 93, .	1.6	33
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448	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
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460	Search for High-Mass Resonances Decaying to e^+e^- in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 211802.	2.9	31
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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
463	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, .	2.9	31
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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466	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.	1.6	31
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470	Search for top squark pair production in pp collisions at $\sqrt{s} = 13$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	31
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476	Search for Excited and Exotic Electrons in the τ^3 Decay Channel in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2005, 94, 101802.	2.9	30
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
484	Observation of Exclusive $\tau^3 \tau^3$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012, 108, 081801.	2.9	30
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
486	Search for a Higgs boson in the decay channel $H \rightarrow \tau^+ \tau^- ZZ^* \rightarrow \tau^+ \tau^- q \bar{q}$ 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 $\text{t} \overline{\text{t}}$ production cross section in $\text{pp} \rightarrow \text{t} \overline{\text{t}}$ 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 $\text{pp} \rightarrow \text{t} \overline{\text{t}}$ 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 $\text{pp} \rightarrow \text{t} \overline{\text{t}}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2009, 79, .	1.6	29
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498	Measurement of the top pair production cross section in the dilepton decay channel in $\text{pp} \rightarrow \text{t} \overline{\text{t}}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	1.6	29
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504	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29

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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 cross section and triple gauge couplings in $b\bar{b}$ 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
511	Search for Higgs bosons produced in association with $b\bar{b}$ production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2011, 107, 102001.	1.6	28
512	Search for Higgs bosons produced in association with $b\bar{b}$ production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 85, .	1.6	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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555	Measurement of the Mass Difference between t and \bar{t} Quarks. Physical Review Letters, 2011, 106, 152001.	2.9	25
556	Search for the Standard Model Higgs Boson Decaying to $ab\bar{b}$ 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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566	Measurement of the b lifetime in $pp\bar{p}$ collisions at $\sqrt{s}=1.96\text{TeV}$. Physical Review Letters, 2007, 98, 122001.	2.9	24
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569	Direct Top-Quark Width Measurement at CDF. Physical Review Letters, 2010, 105, 232003.	2.9	24
570	Top quark mass measurement using the template method at CDF. Physical Review D, 2011, 83, .	1.6	24
571	Search for a new heavy gauge boson W' with event signature $pp\bar{p}\rightarrow W'Z$ at $\sqrt{s}=1.96\text{TeV}$. Physical Review Letters, 2011, 106, 232003.	1.6	24
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602	Search for $V+A$ Current in Top-Quark Decays in $pp \rightarrow \tilde{t} \rightarrow t \bar{b} \nu$ 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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610	Search for New Physics in High p_T Like-Sign Dilepton Events at CDF II. Physical Review Letters, 2011, 107, 181801.	2.9	22
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624	Search for second-generation scalar leptoquarks in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2006, 73, .	1.6	21
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626	Measurement of the Ratio of Branching Fractions $\mathcal{B}(B \rightarrow B^* \gamma) / \mathcal{B}(B \rightarrow B^* \ell^+ \ell^-)$. Physical Review Letters, 2009, 103, 191802.	2.9	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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641	First measurement of the ratio of branching fractions <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">$\frac{\mathcal{B}(B \rightarrow \dots)}{\mathcal{B}(\dots)}$</math>		

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650	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
651	Search for $\overline{t}tH$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
652	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
653	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 94.	1.4	20
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814	Measurement of CP-violation asymmetries in $D^0 \rightarrow K_S^0 \ell^+ \ell^-$. 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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821	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.	1.6	13
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835	Search for Standard Model Higgs boson decay into a bb pair in Events with Measurements of the Top-Quark Mass and the $t\bar{t}$ Cross Section in the Hadronic $t\bar{t}$ Decay Channel at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2014, 112, 231805.	2.9	12
836	Search for 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.	2.9	12
837	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	2.9	12
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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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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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912	Measurement of $Z\tau^3$ production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	1.6	8
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