

Marcel Demarteau

List of Publications by Year in descending order

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453
papers

21,577
citations

14614

66
h-index

19136

118
g-index

462
all docs

462
docs citations

462
times ranked

11565
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of the Top Quark. Physical Review Letters, 1995, 74, 2632-2637.	2.9	1,100
2	Tunable Transport Gap in Phosphorene. Nano Letters, 2014, 14, 5733-5739.	4.5	657
3	The upgraded D \tilde{A} detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 565, 463-537.	0.7	549
4	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
5	Observation and Properties of the X(3872) Decaying to $J/\psi + \chi_{c0}$ in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 162002.	2.9	494
6	The D \tilde{A} detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 338, 185-253.	0.7	429
7	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	1.2	424
8	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	1.2	367
9	Ambipolar Phosphorene Field Effect Transistor. ACS Nano, 2014, 8, 11730-11738.	7.3	352
10	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	1.4	346
11	A precision measurement of the mass of the top quark. Nature, 2004, 429, 638-642.	13.7	232
12	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
13	Measurement of the Forward-Backward Charge Asymmetry in Top-Quark Pair Production. Physical Review Letters, 2008, 100, 142002.	2.9	210
14	Observation of Single Top-Quark Production. Physical Review Letters, 2009, 103, 092001.	2.9	199
15	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 062001.	2.9	191
16	Forward-backward asymmetry in top quark-antiquark production. Physical Review D, 2011, 84, .	1.6	188
17	Measurement of $\langle m_{B_s} \rangle$ Parameters from the Flavor-Tagged Decay $B_s \rightarrow D_s^* \mu^+ \mu^-$. Physical Review Letters, 2008, 101, 241801.	2.9	173
18	Direct Limits on the B_s Oscillation Frequency. Physical Review Letters, 2006, 97, 021802.	2.9	172

#	ARTICLE	IF	CITATIONS
19	parton interactions in $p\bar{p} \rightarrow p + 3\gamma$ jet events in $p\bar{p} \rightarrow p + \hat{A}^-$ collisions	1.6	144
20	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
21	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
22	The layer 0 inner silicon detector of the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 298-310.	0.7	132
23	Evidence for an anomalous like-sign dimuon charge asymmetry. Physical Review D, 2010, 82, .	1.6	127
24	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
25	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
26	Combination of Tevatron Searches for the Standard Model Higgs Boson in the WZ Mode. Physical Review Letters, 2010, 104, 061802.	2.9	114
27	Higgs physics at the CLIC electron-positron linear collider. European Physical Journal C, 2017, 77, 475.	1.4	112
28	Measurement of the Top Quark Mass Using Dilepton Events. Physical Review Letters, 1998, 80, 2063-2068.	2.9	110
29	The production cross section and angular correlations in collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 264-272.	1.5	110
30	Measurement of the Shape of the Boson-Transverse Momentum Distribution in $p\bar{p} \rightarrow Z + \hat{A}^-$ collision data at $\sqrt{s} = 1.96$ TeV.	2.9	110
31	Evidence for an Anomalous Like-Sign Dimuon Charge Asymmetry. Physical Review Letters, 2010, 105, 081801.	2.9	108
32	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	1.2	108
33	Direct measurement of the top quark mass by the \bar{D}^* Collaboration. Physical Review D, 1998, 58, .	1.6	107
34	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
35	Search for squarks and gluinos in events with jets and missing transverse energy using 2.1 fb^{-1} of collision data at $\sqrt{s} = 1.96$ TeV.	1.5	103
36	Inclusive W and Z Quark Production Cross Sections in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 74, 3548-3552.	2.9	102

#	ARTICLE	IF	CITATIONS
37	Measurement of the shape of the boson rapidity distribution for $p\bar{p} \rightarrow Z\gamma + b\bar{b}$. Physical Review D, 2007, 76, .	1.6	101
38	Evidence for Production of Single Top Quarks and First Direct Measurement of $ V_{tb} $. Physical Review Letters, 2007, 98, 181802.	2.9	100
39	Search for charged Higgs bosons in top quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 278-286.	1.5	99
40	Direct Measurement of the Top Quark Mass. Physical Review Letters, 1997, 79, 1197-1202.	2.9	96
41	Direct Observation of the Strange Baryon Λ_c^+ . Physical Review Letters, 2007, 99, 052001.	2.9	93
42	b-Jet identification in the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 490-517.	0.7	92
43	Measurement of the anomalous like-sign dimuon charge asymmetry with $p\bar{p} \rightarrow b\bar{b} + c\bar{c} + \mu\mu$ collisions. Physical Review D, 2011, 84, .	1.6	91
44	production in collisions at $\sqrt{s}=1.8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 370, 239-248.	1.5	87
45	Search for Light Top Squarks in $p\bar{p} \rightarrow t\bar{t} + \chi^0\chi^0$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1996, 76, 2222-2227.	2.9	85
46	Observation of the Meson B_c^+ in the Exclusive Decay $B_c^+ \rightarrow c\bar{c} + \mu^+\mu^-$. Physical Review Letters, 2008, 101, 012001.	2.9	83
47	Search for Charged Higgs Bosons in Decays of Top Quark Pairs. Physical Review Letters, 1999, 82, 4975-4980.	2.9	82
48	Measurement of the isolated photon cross section in $p\bar{p} \rightarrow \gamma + b\bar{b}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 181802.	1.5	81
49	Searches for Quark Compositeness and Extra Spatial Dimensions. Physical Review Letters, 2009, 103, 181802.	2.9	80
50	Measurement of the top quark mass in the dilepton channel. Physical Review D, 1999, 60, .	1.6	80
51	Evidence for production of single top quarks. Physical Review D, 2008, 78, .	1.6	79
52	Inclusive Jet Production in $p\bar{p} \rightarrow t\bar{t} + \text{jet}$ Collisions. Physical Review Letters, 2001, 86, 1707-1712.	2.9	77
53	Measurement of Dijet Azimuthal Decorrelations at Central Rapidities in $p\bar{p} \rightarrow t\bar{t} + \text{jet}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 221801.	2.9	76
54	Isolated Photon Cross Section in $p\bar{p} \rightarrow t\bar{t} + \gamma$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 84, 2786-2791.	2.9	75

#	ARTICLE	IF	CITATIONS
55	Measurement of the C -violating phase $\arg(-i\lambda_{cb})$ in $B \rightarrow D^* \mu^+ \mu^-$ decays. Physical Review D, 2012, 85, . $\frac{1}{\sqrt{2}} \left(\frac{1}{\sqrt{2}} + i \right) \left(\frac{1}{\sqrt{2}} - i \right) = 1$	1.6	75
56	Top quark search with the D0 1992-1993 data sample. Physical Review D, 1995, 52, 4877-4919.	1.6	74
57	Observation of the Doubly Strange Baryon $\Lambda(1520)$. Physical Review Letters, 2009, 103, 122001. $\frac{1}{\sqrt{2}} \left(\frac{1}{\sqrt{2}} + i \right) \left(\frac{1}{\sqrt{2}} - i \right) = 1$	2.9	74
58	Combination of top quark cross section measurements and constraints on the mass of the top quark and its decays into charged Higgs bosons. Physical Review D, 2009, 80, .	1.6	72
59	Measurement of the Top Quark Pair Production Cross Section in $p\bar{p}$ Collisions. Physical Review Letters, 1997, 79, 1203-1208.	2.9	70
60	Search for Large Extra Dimensions in Dielectron and Diphoton Production. Physical Review Letters, 2001, 86, 1156-1161.	2.9	70
61	Cross Section for Jet Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 85, 5068-5073.	2.9	68
62	W and Z Boson Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1995, 75, 1456-1461.	2.9	67
63	Search for Right-Handed W Bosons and Heavy W' in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1996, 76, 3271-3276.	2.9	67
64	Extraction of the width of the W boson from measurements of $\Gamma(W \rightarrow e^+e^-)$ and $\Gamma(W \rightarrow \mu^+\mu^-)$ and their ratio. Physical Review D, 2000, 61, .	1.6	67
65	High- p_T jets in $p\bar{p}$ collisions at $\sqrt{s}=630$ and 1800 GeV. Physical Review D, 2001, 64, .	1.6	67
66	Search for the rare decay $B \rightarrow D^* \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 539-544.	1.5	67
67	Measurement of the W Boson Mass. Physical Review Letters, 2009, 103, 141801.	2.9	66
68	Search for Doubly Charged Higgs Boson Pair Production in the Decay $t \rightarrow W^+ W^+ b$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2004, 93, 141801.	2.9	64
69	Measurement of the Branching Ratio $B \rightarrow D^* \mu^+ \mu^-$. Physical Review Letters, 2008, 101, 211801.	2.9	64
70	New particle searches. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 152, 439-442.	1.5	63
71	Observation and Properties of the Orbitally Excited Baryon $\Lambda(1520)$. Physical Review Letters, 2008, 100, 082002.	2.9	63
72	Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1999, 82, 2451-2456.	2.9	62

#	ARTICLE	IF	CITATIONS
73	<p>Experimental Study of the Transverse Momentum Distribution in $p\bar{p}$ Collisions Using a Novel Technique. Physical Review Letters, 2011, 106, 122001.</p> <p>Dijet Mass Spectrum and a Search for Quark Compositeness in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1999, 82, 2457-2462.</p> <p>Search for a heavy neutral gauge boson in the dielectron channel with 5.4fb^{-1} of e^+e^- collisions at $\sqrt{s}=1.96\text{TeV}$. Physical Review Letters, 2001, 86, 121801.</p> <p>Search for single top quark production at $D\bar{A}$ using neural networks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 282-294.</p> <p>Determination of the pole and $\text{Im}\Gamma$ of the $\Upsilon(1S)$ and $\Upsilon(2S)$ States in $p\bar{p}$ Collisions at $\sqrt{s}=1.96\text{TeV}$. Physical Review Letters, 2008, 101, 182004.</p> <p>Search for associated production of charginos and neutralinos in the trilepton final state using 2.3fb^{-1} of data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 34-43.</p> <p>Experimental Study of Inclusive Muon Spectra from Electron-Positron Collisions in the Energy Region $33 < \sqrt{s} < 38.54\text{GeV}$. Physical Review Letters, 1983, 51, 443-446.</p> <p>Rapidity gaps between jets in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1994, 72, 2332-2336.</p> <p>Measurement of the High-Mass Drell-Yan Cross Section and Limits on Quark-Electron Compositeness Scales. Physical Review Letters, 1999, 82, 4769-4774.</p> <p>Properties of L and B boson decays. Physical Review D, 2008, 77, .</p> <p>Search for Squarks and Gluinos in Events Containing Jets and a Large Imbalance in Transverse Energy. Physical Review Letters, 1999, 83, 4937-4942.</p> <p>Search for Next-to-Minimal Supersymmetric Higgs Bosons in the $h \rightarrow a \rightarrow a \rightarrow \tau^+ \tau^-$ Channels Using 1.4fb^{-1} of Data. Physical Review Letters, 2009, 103, 061801.</p> <p>Bounds on an Anomalous Dijet Resonance in $W^+ \text{jets}$ Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.96\text{TeV}$. Physical Review Letters, 2011, 107, 011804.</p> <p>Model-Independent Second-Order Determination of the Strong-Coupling Constant α_s. Physical Review Letters, 1983, 50, 2051-2053.</p>	2.9	62
74		2.9	61
75		1.5	60
76		1.5	59
77		1.5	59
78		2.9	58
79		1.5	58
80		2.9	57
81		2.9	57
82		2.9	57
83		2.9	57
84		1.5	56
85		2.9	56
86		1.6	56
87		2.9	55
88		2.9	55
89		2.9	55
90		2.9	54

#	ARTICLE	IF	CITATIONS
91	Measurement of the W boson mass. Physical Review D, 1998, 58, .	1.6	54
92	Search for Large Extra Dimensions in the W Channel with the $D\bar{A}$ Detector. Physical Review Letters, 2003, 90, 251802.	2.9	54
93	Measurement of differential cross sections for Z bosons as a function of transverse momentum in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2000, 61, .	1.5	54
94	Determination of the absolute jet energy scale in the $D\bar{A}$ calorimeters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 424, 352-394.	1.5	54
95	Measurement of the inclusive differential cross section for Z bosons as a function of transverse momentum in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2000, 61, .	0.7	53
96	Lifetime Difference and CP-Violating Phase in the B_s System. Physical Review Letters, 2007, 98, 121801.	1.6	53
97	Search for scalar top quarks in the acoplanar charm jets and missing transverse energy final state in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2009, 102, 092001.	2.9	53
98	Measurement of the Lifetime of the B_c Meson in the Semileptonic Decay Channel. Physical Review Letters, 2009, 102, 092001.	1.5	53
99	Search for Long-Lived Charged Massive Particles with the D0 Detector. Physical Review Letters, 2009, 102, 161802.	1.96	53
100	Search for new particles in the two-jet decay channel with the $D\bar{A}$ detector. Physical Review D, 2004, 69, .	2.9	52
101	Search for W Boson Resonances Decaying to a Top Quark and a Bottom Quark. Physical Review Letters, 2008, 100, 211803.	1.6	51
102	Measurement of the W Boson Mass. Physical Review Letters, 1996, 77, 3309-3314.	2.9	51
103	Combination of CDF and D0 results on the W boson mass and width. Physical Review D, 2004, 70, .	2.9	50
104	Measurement of the W boson production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2008, 100, 211803.	1.6	50
105	First measurement of the underlying event activity at the LHC with $\sqrt{s}=0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	1.6	50
106	Measurement of Inclusive Differential Cross Sections for W Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 232001.	1.4	50
107	Limits on Anomalous $WW\gamma$ Couplings from $p\bar{p} \rightarrow W^+W^+X$ Events at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1997, 78, 3634-3639.	2.9	49
108			

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109	Ratio of Isolated Photon Cross Sections in $pp\bar{c}$ Collisions at $\sqrt{s}=630$ and 1800 GeV. Physical Review Letters, 2001, 87, 251805.	2.9	48
110	Determination of the strong coupling constant from the inclusive jet cross section in $pp\bar{c}$ collisions at $\sqrt{s}=630$ and 1800 GeV. Physical Review Letters, 2001, 87, 251805.	1.6	48
111	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb^{-1} of $pp\bar{c}$ collisions at $\sqrt{s}=630$ and 1800 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 81-87.	1.5	48
112	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb^{-1} of $pp\bar{c}$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 81-87.	1.5	48
113	Timing Performances of Large Area Silicon Photomultipliers Fabricated at STMicroelectronics. IEEE Transactions on Nuclear Science, 2010, 57, 2273-2279.	1.2	48
114	Measurement of the top quark pair production cross section in the $pp\bar{c}$ channel in proton-antiproton collisions at $\sqrt{s}=630$ and 1800 GeV. Physical Review Letters, 1997, 79, 4321-4326.	1.5	48
115	The D0 Silicon Microstrip Tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, 8-46.	0.7	48
116	Measurement of the top quark pair production cross section in the $pp\bar{c}$ channel in proton-antiproton collisions at $\sqrt{s}=630$ and 1800 GeV. Physical Review Letters, 1997, 79, 4321-4326.	1.6	48
117	Search for Scalar Leptoquark Pairs Decaying to Electrons and Jets in $pp\bar{c}$ Collisions. Physical Review Letters, 1997, 79, 4321-4326.	2.9	47
118	Measurement of the top quark mass in the lepton+jets final state with the matrix element method. Physical Review D, 2006, 74, .	1.6	47
119	Experimental Discrimination between Charge $2e/3$ Top Quark and Charge $4e/3$ Exotic Quark Production Scenarios. Physical Review Letters, 2007, 98, 041801.	2.9	47
120	First Study of the Radiation-Amplitude Zero in $pp\bar{c}$ Production and Limits on Anomalous $W\bar{c}c$ Couplings. Physical Review Letters, 2008, 101, 011601.	2.9	47
121	Search for Large Extra Dimensions via Single Photon plus Missing Energy Final States at $\sqrt{s}=630$ and 1800 GeV. Physical Review Letters, 2008, 101, 011601.	2.9	47
122	Search for Top Quark and a Test of Models without Top Quark up to 38.54 GeV at PETRA. Physical Review Letters, 1983, 50, 799-802.	2.9	46
123	Search for Heavy Pointlike Dirac Monopoles. Physical Review Letters, 1998, 81, 524-529.	2.9	46
124	Search for First Generation Scalar Leptoquark Pairs in $pp\bar{c}$ Collisions at $\sqrt{s}=1.8\text{ TeV}$. Physical Review Letters, 1998, 80, 2051-2056.	2.9	46
125	Measurement of the normalized transverse momentum distribution in $pp\bar{c}$ collisions. Physical Review Letters, 2007, 99, 191802.	1.5	46
126	Search for Production of Single Top Quarks Via $pp\bar{c}$ Collisions. Physical Review Letters, 2007, 99, 191802.	2.9	45

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127	First generation leptoquark search in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1994, 72, 965-969.	2.9	44
128	Small Angle J/ψ Production in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1999, 82, 35-40.	2.9	44
129	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using secondary vertex tagging. Physical Review D, 2006, 74, .	1.6	44
130	Search for Pair Production of Doubly Charged Higgs Bosons in the $H^{++}H^{--}$ Final State. Physical Review Letters, 2008, 101, 071803.	2.9	44
131	Search for W Bosons Decaying to an Electron and a Neutrino with the D0 Detector. Physical Review Letters, 2008, 100, 031804.	2.9	44
132	Search for resonances with left- and right-handed couplings to fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 145-150.	1.5	44
133	Search for new physics in X data at D using SLEUTH: A quasi-model-independent search strategy for new physics. Physical Review D, 2000, 62, .	1.6	43
134	Transverse energy distributions within jets in collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 500-508.	1.5	42
135	Search for W Boson Pair Production in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1995, 75, 1023-1027.	2.9	42
136	Jet Production via Strongly Interacting Color-Singlet Exchange in pp Collisions. Physical Review Letters, 1996, 76, 734-739.	2.9	42
137	Search for Neutral Supersymmetric Higgs Bosons in Multijet Events at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 95, 151801.	2.9	42
138	Measurement of the CP-violation parameter of B^0 mixing and decay with pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2006, 74, .	1.6	42
139	Search for Resonant Pair Production of Neutral Long-Lived Particles Decaying to $b\bar{b}$ in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 071801.	2.9	42
140	Model-independent measurement of t -channel single top quark production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 071801.	1.5	42
141	Search for Z Bosons Decaying to W Bosons in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2009, 103, 071801.	1.5	42
142	Precision Measurement of the Ratio $B(\tau^+\rightarrow W^b)/B(\tau^+\rightarrow W^q)$ and Extraction of V_{tb} . Physical Review Letters, 2011, 107, 121802.	2.9	41
143	Isolated Photon Cross Section in the Central and Forward Rapidity Regions in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1996, 77, 5011-5015.	2.9	40
144	Differential Production Cross Section of Z Bosons as a Function of Transverse Momentum at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 84, 2792-2797.	2.9	40

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145	Direct Search for Charged Higgs Bosons in Decays of Top Quarks. Physical Review Letters, 2002, 88, 151803.	2.9	40
146	Improved W boson mass measurement with the D \bar{A} detector. Physical Review D, 2002, 66, .	1.6	40
147	Measurement of f^{3+b+X} and f^{3+c+X} Production Cross Sections in $pp\bar{A}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 192002.	2.9	40
148	Measurement of Dijet Angular Distributions and Search for Quark Compositeness. Physical Review Letters, 1998, 80, 666-671.	2.9	39
149	Small-Angle Muon and Bottom-Quark Production in $pp\bar{A}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 84, 5478-5483.	2.9	39
150	Quasi-Model-Independent Search for New High p_T Physics at D0. Physical Review Letters, 2001, 86, 3712-3717.	2.9	39
151	Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:math} \rangle$ resonances in the lepton plus jets final state in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{s} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:math} \rangle$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 191801.	1.5	39
152	Measurement of the t-channel single top quark production cross section. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 682, 363-369.	1.5	39
153	Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co" \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{s} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:math} \rangle$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 191801.	1.5	39
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160	Search for squarks and gluinos in events with jets and missing transverse energy in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:math} \rangle$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 131801.	1.5	37
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173	Search for flavor changing neutral currents in decays of top quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 313-320.	1.5	35
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176	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 061804.	1.5	34
177	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 061804.	1.5	34
178	Search for Higgs Boson Production in Dilepton and Missing Energy Final States with $5.4 \leq \sqrt{s} \leq 10$ TeV. Physical Review Letters, 2010, 104, 061804.	2.9	34
179	Measurement of spin correlation in $t\bar{t}$ production using dilepton final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 16-22.	1.5	34
180	Measurement of Spin Correlation in $t\bar{t}$ Production Using a Matrix Element Approach. Physical Review Letters, 2011, 107, 032001.	2.9	34

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220	Search for Heavy Particles Decaying into Electron-Positron Pairs in $pp\hat{A}^-$ Collisions. Physical Review Letters, 2001, 87, 061802.	2.9	29
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222	Search for Large Extra Spatial Dimensions in Dimuon Production with the D0 Detector. Physical Review Letters, 2005, 95, 161602.	2.9	29
223	Search for Neutral, Long-Lived Particles Decaying into Two Muons in $pp\hat{A}^-$ Collisions at $\sqrt{s}=1.96\text{TeV}$. Physical Review Letters, 2006, 97, 161802.	2.9	29
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225	Hadron and electron response of uranium/liquid argon calorimeter modules for the D0 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 280, 36-44.	0.7	28
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234	Search for Wb Production in $pp\hat{A}^-$ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 2008, 101, 221801.	1.5	27

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238	Search for Doubly Charged Higgs Boson Pair Production in $\sqrt{s} = 1.96$ TeV Collisions. Physical Review Letters, 2012, 108, 021801.	2.9	27
239	Search for additional neutral gauge bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 385, 471-478.	2.9	27
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244	Search for CP violation in $B_s^0 \rightarrow D_s^{*1} (2536)^{1/2} + D_s^{*1} (2536)^{1/2} X$ decays in $\sqrt{s} = 1.96$ TeV collisions. Physical Review D, 2010, 82, .	1.6	26
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276	Precise Measurement of the Top Quark Mass in the Dilepton Channel at D0. Physical Review Letters, 2011, 107, 082004.	2.9	23
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279	Search for Narrow W Resonances in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2004, 92, 221801.	1.5	22
280	Measurement of the $p\bar{p} \rightarrow W^+ W^- X$ cross section at $\sqrt{s} = 1.96$ TeV and WW anomalous coupling limits. Physical Review D, 2005, 71, .	1.6	22
281	Search for the pair production of scalar top quarks in the acoplanar charm jet final state in collisions at $\sqrt{s} = 1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 645, 119-127.	1.5	22
282	Search for Third Generation Scalar Leptoquarks Decaying into W and Z . Physical Review Letters, 2008, 101, 241802.	2.9	22
283	Cross Section and Limits on Anomalous WW Couplings from WW Production. Physical Review Letters, 2009, 103, 241802.	2.9	22
284	Search for pair production of second generation scalar leptoquarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 224-232.	1.5	22
285	Search for pair production of second generation scalar leptoquarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 224-232.	1.6	22
286	Limits on anomalous WW and WWZ couplings from WW/WZ production. Physical Review D, 2000, 62, .	1.6	21
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291	Measurement of the top quark mass in final states with two leptons. Physical Review D, 2009, 80, .	1.6	21
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296	Measurement of the Ratio of Inclusive Cross Sections $\sigma(pp \rightarrow \ell^+ \ell^- + \text{jets}) / \sigma(pp \rightarrow \ell^+ \ell^- + \text{jets})$ at $\sqrt{s} = 1.96$ TeV. Physical Letters, 2005, 94, 161801.	2.9	20
297	Search for Long-Lived Particles Decaying into Electron or Photon Pairs with the D0 Detector. Physical Review Letters, 2008, 101, 111802.	2.9	20
298	Search for Anomalous Top-Quark Couplings with the D0 Detector. Physical Review Letters, 2009, 102, 092002.	2.9	20
299	Search for a scalar or vector particle decaying into $Z \nu$ in $pp \rightarrow \ell^+ \ell^- + \text{jets}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2010, 105, 211802.	1.5	20
300	Search for Events with Leptonic Jets and Missing Transverse Energy in $pp \rightarrow \ell^+ \ell^- + \text{jets}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 211802.	2.9	20
301	Measurement of the production fraction times branching fraction $f \times \text{BR}(f \rightarrow b \bar{b})$ in $pp \rightarrow \ell^+ \ell^- + \text{jets}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2010, 105, 211802.		

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308	Measurement of the $pp \rightarrow WZ + X$ cross section at $\sqrt{s}=1.96$ TeV and limits on WWZ trilinear gauge couplings. Physical Review D, 2007, 76, .	1.6	19
309	Measurement of the top quark mass in the dilepton channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 655, 7-14.	1.5	19
310	Search for scalar leptoquarks and T-odd quarks in the acoplanar jet topology using of collision data at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 668, 357-363.	1.5	19
311	Search for excited electrons in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2008, 77, .	1.6	19
312	Study of Direct CP Violation in $B \rightarrow K^* \ell \ell$ Decays. Physical Review Letters, 2008, 100, 211802.	2.9	19
313	Search for Flavor-Changing-Neutral-Current D Meson Decays. Physical Review Letters, 2008, 100, 101801.	2.9	19
314	Search for Associated W and Higgs Boson Production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 051803.	2.9	19
315	Search for Stopquark Production in $pp \rightarrow t \bar{t} + X$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 191802.	2.9	19
316	Color coherent radiation in multijet events from collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 419-427.	1.5	18
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318	Direct measurement of the W boson decay width. Physical Review D, 2002, 66, .	1.6	18
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355	Direct Measurement of the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Boson Width. Physical Review Letters, 2009, 103, 231802.	2.9	14
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