

# Marcel Demarteau

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

448  
papers

18,357  
citations

61  
h-index

108  
g-index

462  
ext. papers

19,852  
ext. citations

5.7  
avg, IF

4.52  
L-index

#	Paper	IF	Citations
448	Observation of the Top Quark. <i>Physical Review Letters</i> , <b>1995</b> , 74, 2632-2637	7.4	909
447	Tunable transport gap in phosphorene. <i>Nano Letters</i> , <b>2014</b> , 14, 5733-9	11.5	578
446	The upgraded DØ detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2006</b> , 565, 463-537	1.2	465
445	Observation and properties of the X(3872) decaying to J/ψπ <sup>+</sup> π <sup>-</sup> in pp collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 162002	7.4	408
444	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	389
443	The DØ detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1994</b> , 338, 185-253	1.2	357
442	Ambipolar phosphorene field effect transistor. <i>ACS Nano</i> , <b>2014</b> , 8, 11730-8	16.7	299
441	A precision measurement of the mass of the top quark. <i>Nature</i> , <b>2004</b> , 429, 638-42	50.4	202
440	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at (sqrt[s] = 0.9 ) and 2.36 TeV. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	201
439	FCC-hh: The Hadron Collider. <i>European Physical Journal: Special Topics</i> , <b>2019</b> , 228, 755-1107	2.3	196
438	FCC-ee: The Lepton Collider. <i>European Physical Journal: Special Topics</i> , <b>2019</b> , 228, 261-623	2.3	193
437	Measurement of the forward-backward charge asymmetry in top-quark pair production. <i>Physical Review Letters</i> , <b>2008</b> , 100, 142002	7.4	183
436	FCC Physics Opportunities. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	174
435	Observation of single top-quark production. <i>Physical Review Letters</i> , <b>2009</b> , 103, 092001	7.4	172
434	Forward-backward asymmetry in top quark-antiquark production. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	170
433	Direct limits on the oscillation frequency. <i>Physical Review Letters</i> , <b>2006</b> , 97, 021802	7.4	165
432	Measurement of B <sub>s</sub> <sup>0</sup> mixing parameters from the flavor-tagged decay B <sub>s</sub> <sup>0</sup> →J/ψπ <sup>0</sup> . <i>Physical Review Letters</i> , <b>2008</b> , 101, 241801	7.4	156

431	Measurement of the inclusive jet cross section in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 062001	7.4	148
430	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	123
429	The layer 0 inner silicon detector of the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 622, 298-310	1.2	123
428	Double parton interactions in $n=3$ jet events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	119
427	Prompt and non-prompt J/ $\psi$ production in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	118
426	Measurements of inclusive W and Z cross sections in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	104
425	Combination of Tevatron searches for the standard model Higgs boson in the W+W- decay mode. <i>Physical Review Letters</i> , <b>2010</b> , 104, 061802	7.4	104
424	The bb production cross section and angular correlations in pp collisions at $s=1.8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 487, 264-272	4.2	103
423	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , <b>2010</b> , 70, 1165-1192	1.2	99
422	Direct measurement of the top quark mass by the D $\bar{C}$ Collaboration. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	98
421	Measurement of the Top Quark Mass Using Dilepton Events. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2063-2068	7.4	96
420	Search for squarks and gluinos in events with jets and missing transverse energy using 2.1 fb $^{-1}$ of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 660, 449-457	4.2	95
419	Search for charged Higgs bosons in top quark decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 682, 278-286	4.2	92
418	Inclusive micro and b-quark production cross sections in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1995</b> , 74, 3548-3552	7.4	92
417	Charged particle multiplicities in pp interactions at ( $\sqrt{s} = 0.9$ ), 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	89
416	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review Letters</i> , <b>2010</b> , 105, 081801	4.9	89
415	Measurement of the anomalous like-sign dimuon charge asymmetry with 9 fb $^{-1}$ of pp collisions. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	88
414	Direct Measurement of the Top Quark Mass. <i>Physical Review Letters</i> , <b>1997</b> , 79, 1197-1202	7.4	88

413	b-Jet identification in the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 620, 490-517	1.2	87
412	Evidence for production of single top quarks and first direct measurement of $ V_{tb} $ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 181802	7.4	86
411	Direct observation of the strange b baryon $\Lambda_b^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 052001	7.4	86
410	production in collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 370, 239-248	4.2	85
409	Measurement of the shape of the boson-transverse momentum distribution in $pp \rightarrow Z/\gamma^* \rightarrow e^+e^- + X$ events produced at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 102002	7.4	83
408	Search for light top squarks in $pp$ -bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1996</b> , 76, 2222-2227	7.4	81
407	Strange particle production in $pp$ collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	78
406	Search for Charged Higgs Bosons in Decays of Top Quark Pairs. <i>Physical Review Letters</i> , <b>1999</b> , 82, 4975-4980	7.4	78
405	Higgs physics at the CLIC electron-positron linear collider. <i>European Physical Journal C</i> , <b>2017</b> , 77, 475	4.2	76
404	Measurement of the top quark mass in the dilepton channel. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	73
403	HE-LHC: The High-Energy Large Hadron Collider. <i>European Physical Journal: Special Topics</i> , <b>2019</b> , 228, 1109-1382	2.3	72
402	Observation of the $B_c$ meson in the exclusive decay $B_c \rightarrow J/\psi \pi$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 012001	7.4	72
401	Measurement of the CP-violating phase $\arg(V_{cb} V_{ub}^*)$ using the flavor-tagged decay $B_s^0 \rightarrow J/\psi \pi^0$ in 8 fb $^{-1}$ of $pp$ -bar collisions. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	70
400	Evidence for production of single top quarks. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	69
399	Measurement of dijet angular distributions at square root( $s$ ) = 1.96 TeV and searches for quark compositeness and extra spatial dimensions. <i>Physical Review Letters</i> , <b>2009</b> , 103, 191803	7.4	68
398	Top quark search with the D0 1992-1993 data sample. <i>Physical Review D</i> , <b>1995</b> , 52, 4877-4919	4.9	68
397	Measurement of the Top Quark Pair Production Cross Section in $pp$ -bar Collisions. <i>Physical Review Letters</i> , <b>1997</b> , 79, 1203-1208	7.4	67
396	Cross section for b-Jet production in $pp$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 85, 5068-73	7.4	65

395	Observation of the doubly strange b baryon $\Omega_{cb}^-$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 232002	7.4	64
394	Measurement of the isolated photon cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 639, 151-158	4.2	64
393	Measurement of dijet azimuthal decorrelations at central rapidities in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 221801	7.4	64
392	Search for doubly charged higgs boson pair production in the decay to $\mu^+\mu^+\mu^-\mu^-$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 141801	7.4	63
391	Search for right-handed W bosons and heavy W in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1996</b> , 76, 3271-3276	7.4	63
390	High- $p_T$ jets in $p\bar{p}$ collisions at $\sqrt{s}=630$ and 1800 GeV. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	62
389	Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1999</b> , 82, 2451-2456	7.4	62
388	W and Z Boson Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1995</b> , 75, 1456-1461	7.4	62
387	Search for large extra dimensions in dielectron and diphoton production. <i>Physical Review Letters</i> , <b>2001</b> , 86, 1156-61	7.4	61
386	Extraction of the width of the W boson from measurements of $(\sigma_{pp\rightarrow W+X})/(\sigma_{pp\rightarrow Z+X})$ and their ratio. <i>Physical Review D</i> , <b>2000</b> , 61,	4.9	61
385	Search for the rare decay $B_s \rightarrow \mu^+\mu^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 539-544	4.2	60
384	Inclusive jet production in $p\bar{p}$ collisions. <i>Physical Review Letters</i> , <b>2001</b> , 86, 1707-12	7.4	60
383	Isolated photon cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2786-91	7.4	60
382	Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb <sup>-1</sup> of data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 680, 34-43	4.2	58
381	Measurement of the shape of the boson rapidity distribution for $pp\rightarrow Z/\gamma\rightarrow e^+e^-+X$ events produced at $\sqrt{s}$ of 1.96 TeV. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	58
380	Observation and properties of the orbitally excited $B_{(s2)}^*$ meson. <i>Physical Review Letters</i> , <b>2008</b> , 100, 082002	7.4	57
379	Measurement of the High-Mass Drell-Yan Cross Section and Limits on Quark-Electron Compositeness Scales. <i>Physical Review Letters</i> , <b>1999</b> , 82, 4769-4774	7.4	57
378	New particle searches. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1985</b> , 152, 439-442	4.2	57

377	Search for the flavor-changing neutral current decay $B_0 \rightarrow \mu^+ \mu^-$ in pp Collisions at $\sqrt{s} = 1.96$ TeV with the D0 detector. <i>Physical Review Letters</i> , <b>2005</b> , 94, 071802	7.4	55
376	Rapidity gaps between jets in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1994</b> , 72, 2332-2336	7.4	55
375	Bounds on an anomalous dijet resonance in W+jets production in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 011804	7.4	54
374	Experimental Study of Inclusive Muon Spectra from Electron-Positron Collisions in the Energy Region 33. <i>Physical Review Letters</i> , <b>1983</b> , 51, 443-446	7.4	54
373	Dijet Mass Spectrum and a Search for Quark Compositeness in p-p Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1999</b> , 82, 2457-2462	7.4	53
372	Determination of the pole and $\beta$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 703, 422-427	4.2	52
371	Search for next-to-minimal supersymmetric Higgs bosons in the $h \rightarrow a a \rightarrow \mu \mu \mu \mu$ channels using pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 103, 061801	7.4	52
370	Search for a heavy neutral gauge boson in the dielectron channel with 5.4 fb <sup>-1</sup> of pp collisions at $s = 1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 695, 88-94	4.2	52
369	Probing hard color-singlet exchange in pp collisions at $s = 630$ GeV and 1800 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 440, 189-202	4.2	52
368	Combination of tt cross section measurements and constraints on the mass of the top quark and its decays into charged Higgs bosons. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	51
367	Search for large extra dimensions in the monojet+E(T) channel with the D0 detector. <i>Physical Review Letters</i> , <b>2003</b> , 90, 251802	7.4	51
366	Search for single top quark production at D0 using neural networks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 517, 282-294	4.2	51
365	Search for Squarks and Gluinos in Events Containing Jets and a Large Imbalance in Transverse Energy. <i>Physical Review Letters</i> , <b>1999</b> , 83, 4937-4942	7.4	51
364	Lifetime difference and CP-violating phase in the $B_{s0}$ system. <i>Physical Review Letters</i> , <b>2007</b> , 98, 121801	7.4	50
363	Determination of the absolute jet energy scale in the D0 calorimeters. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1999</b> , 424, 352-394	1.2	50
362	Measurement of the tt production cross section in pp collisions at $s = 1.96$ TeV using kinematic characteristics of lepton+jets events. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	49
361	Search for scalar top quarks in the acoplanar charm jets and missing transverse energy final state in pp collisions at $s = 1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 665, 1-8	4.2	49
360	Model-Independent Second-Order Determination of the Strong-Coupling Constant $\beta_s$ . <i>Physical Review Letters</i> , <b>1983</b> , 50, 2051-2053	7.4	49

359	Measurement of the electron charge asymmetry in $pp \rightarrow W+X \rightarrow e\nu+X$ events at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 211801	7.4	48
358	Measurement of the polarization of the $\Upsilon(1S)$ and $\Upsilon(2S)$ states in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 182004	7.4	48
357	Search for new particles in the two-jet decay channel with the DØ detector. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	48
356	Measurement of the inclusive differential cross section for Z bosons as a function of transverse momentum in $p\bar{p}$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2000</b> , 61,	4.9	48
355	Measurement of the $\rho$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 704, 403-410	4.2	47
354	Measurement of the muon charge asymmetry from W boson decays. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	47
353	Properties of $L=1$ $B(1)$ and $B(2)^*$ mesons. <i>Physical Review Letters</i> , <b>2007</b> , 99, 172001	7.4	47
352	Measurement of the W Boson Mass. <i>Physical Review Letters</i> , <b>1996</b> , 77, 3309-3314	7.4	47
351	Search for long-lived charged massive particles with the D0 detector. <i>Physical Review Letters</i> , <b>2009</b> , 102, 161802	7.4	46
350	Helicity of the W boson in lepton+jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 617, 1-10	4.2	46
349	Search for First Generation Scalar Leptoquark Pairs in $pp$ Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2051-2056	7.4	46
348	Timing Performances of Large Area Silicon Photomultipliers Fabricated at STMicroelectronics. <i>IEEE Transactions on Nuclear Science</i> , <b>2010</b> , 57, 2273-2279	1.7	45
347	Measurement of the top quark pair production cross section in the lepton+jets channel in proton-antiproton collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	45
346	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb <sup>-1</sup> of $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 81-87	4.2	45
345	Limits on Anomalous WW Couplings from $pp \rightarrow W\gamma X$ Events at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3634-3639	7.4	45
344	Search for Scalar Leptoquark Pairs Decaying to Electrons and Jets in $p\bar{p}$ Collisions. <i>Physical Review Letters</i> , <b>1997</b> , 79, 4321-4326	7.4	44
343	Search for W boson resonances decaying to a top quark and a bottom quark. <i>Physical Review Letters</i> , <b>2008</b> , 100, 211803	7.4	44
342	Measurement of inclusive differential cross sections for $pp$ collisions at $(\sqrt{s}) = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 232001	7.4	44



341	Determination of the strong coupling constant from the inclusive jet cross section in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2009</b> , 80,	4-9	43
340	Precise study of the $Z/\gamma$ boson transverse momentum distribution in pp collisions using a novel technique. <i>Physical Review Letters</i> , <b>2011</b> , 106, 122001	7-4	43
339	Search for pair production of doubly charged Higgs bosons in the $H^{++}H^{-} \rightarrow \mu^{+}\mu^{+}\mu^{-}\mu^{-}$ final state. <i>Physical Review Letters</i> , <b>2008</b> , 101, 071803	7-4	43
338	Search for large extra dimensions via single photon plus missing energy final states at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 011601	7-4	43
337	Measurement of the top quark mass in the lepton+jets final state with the matrix element method. <i>Physical Review D</i> , <b>2006</b> , 74,	4-9	43
336	Search for production of single top quarks via $t_{cg}$ and $t_{ug}$ flavor-changing-neutral-current couplings. <i>Physical Review Letters</i> , <b>2007</b> , 99, 191802	7-4	43
335	Experimental discrimination between charge $2e/3$ top quark and charge $4e/3$ exotic quark production scenarios. <i>Physical Review Letters</i> , <b>2007</b> , 98, 041801	7-4	43
334	Measurement of the W boson mass. <i>Physical Review D</i> , <b>1998</b> , 58,	4-9	43
333	First generation leptoquark search in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1994</b> , 72, 965-969	7-4	43
332	Measurement of the lifetime of the $B_{c}^{+/-}$ meson in the semileptonic decay channel. <i>Physical Review Letters</i> , <b>2009</b> , 102, 092001	7-4	42
331	Search for $W \rightarrow tb$ resonances with left- and right-handed couplings to fermions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 699, 145-150	4-2	42
330	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV using secondary vertex b tagging. <i>Physical Review D</i> , <b>2006</b> , 74,	4-9	42
329	The D0 Silicon Microstrip Tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 634, 8-46	1-2	41
328	Combination of CDF and D0 results on the W boson mass and width. <i>Physical Review D</i> , <b>2004</b> , 70,	4-9	41
327	Search for Top Quark and a Test of Models without Top Quark up to 38.54 GeV at PETRA. <i>Physical Review Letters</i> , <b>1983</b> , 50, 799-802	7-4	41
326	Model-independent measurement of t-channel single top quark production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 313-319	4-2	40
325	Search for resonant pair production of neutral long-lived particles decaying to $b\bar{b}$ in pp collisions at square root( $S$ )=1.96 TeV. <i>Physical Review Letters</i> , <b>2009</b> , 103, 071801	7-4	40
324	Measurement of the CP-violation parameter of $B_0$ mixing and decay with pp collisions data. <i>Physical Review D</i> , <b>2006</b> , 74,	4-9	40



323	Search for neutral supersymmetric Higgs Bosons in multijet events at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 151801	7.4	40
322	Search for Heavy Pointlike Dirac Monopoles. <i>Physical Review Letters</i> , <b>1998</b> , 81, 524-529	7.4	40
321	Search for scalar bottom quarks and third-generation leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 95-101	4.2	39
320	Search for $W$ bosons decaying to an electron and a neutrino with the D0 detector. <i>Physical Review Letters</i> , <b>2008</b> , 100, 031804	7.4	39
319	Transverse energy distributions within jets in collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 500-508	4.2	39
318	Jet production via strongly interacting color-singlet exchange in $pp$ -bar collisions. <i>Physical Review Letters</i> , <b>1996</b> , 76, 734-739	7.4	39
317	Isolated Photon Cross Section in the Central and Forward Rapidity Regions in $pp$ -bar Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1996</b> , 77, 5011-5015	7.4	39
316	Measurement of the normalized . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 522-530	4.2	38
315	Measurement of differential . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 669, 278-286	4.2	38
314	Small Angle $J/\psi$ Production in $pp$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1999</b> , 82, 35-40	7.4	38
313	Search for $W$ boson pair production in $pp$ -bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1995</b> , 75, 1023-1027	7.4	38
312	Measurement of $\gamma+b+X$ and $\gamma+c+X$ Production Cross Sections in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 192002	7.4	37
311	Search for $tt$ resonances in the lepton plus jets final state in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 668, 98-104	4.2	37
310	Direct search for charged higgs bosons in decays of top quarks. <i>Physical Review Letters</i> , <b>2002</b> , 88, 151803	7.4	37
309	Small-angle muon and bottom-quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 84, 5478-83	7.4	37
308	First measurement of the underlying event activity at the LHC with ( $\sqrt{s}=0.9$ ) TeV. <i>European Physical Journal C</i> , <b>2010</b> , 70, 555-572	4.2	36
307	Measurement of the $t$ -channel single top quark production cross section. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 682, 363-369	4.2	36
306	Measurement of Dijet Angular Distributions and Search for Quark Compositeness. <i>Physical Review Letters</i> , <b>1998</b> , 80, 666-671	7.4	36

305	Measurement of the W boson mass. <i>Physical Review Letters</i> , <b>2009</b> , 103, 141801	7-4	35
304	Study of the ZZ and Z $\gamma$ Couplings in Z Production. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3640-3645	7-4	35
303	Search for stopped gluinos from pp collisions at square root s = 1.96 TeV. <i>Physical Review Letters</i> , <b>2007</b> , 99, 131801	7-4	35
302	Search for squarks and gluinos in events with jets and missing transverse energy in pp collisions at s=1.96 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 638, 119-127	4-2	35
301	Improved W boson mass measurement with the D detector. <i>Physical Review D</i> , <b>2002</b> , 66,	4-9	35
300	Spin correlation in t $\bar{t}$ production from p $\bar{p}$ collisions at radicals = 1.8 TeV. <i>Physical Review Letters</i> , <b>2000</b> , 85, 256-61	7-4	35
299	Experimental Search for Chargino and Neutralino Production in Supersymmetry Models with a Light Gravitino. <i>Physical Review Letters</i> , <b>1998</b> , 80, 442-447	7-4	35
298	Search for heavy stable charged particles in pp collisions at ( $\sqrt{s} = 7; \text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	34
297	Tests of timing properties of silicon photomultipliers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 616, 38-44	1-2	34
296	Measurement of the W boson helicity in top quark decays using 5.4 fb of pp collision data. <i>Physical Review D</i> , <b>2011</b> , 83,	4-9	33
295	Precision measurement of the ratio B(t $\rightarrow$ Wb)/B(t $\rightarrow$ Wq) and extraction of V(tb). <i>Physical Review Letters</i> , <b>2011</b> , 107, 121802	7-4	33
294	Measurement of direct photon pair production cross sections in pp collisions at s=1.96TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 690, 108-117	4-2	33
293	Model-independent measurement of the W-boson helicity in top-quark decays at D0. <i>Physical Review Letters</i> , <b>2008</b> , 100, 062004	7-4	33
292	Ratio of isolated photon cross sections in pp macro collisions at square root of s = 630 and 1800 GeV. <i>Physical Review Letters</i> , <b>2001</b> , 87, 251805	7-4	33
291	Search for electroweak production of single top quarks in pp collisions. <i>Physical Review D</i> , <b>2000</b> , 63,	4-9	33
290	Differential production cross section of Z bosons as a function of transverse momentum at sqrt. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2792-7	7-4	33
289	Measurement of spin correlation in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 702, 16-23	4-2	32
288	Search for Randall-Sundrum gravitons in the dielectron and diphoton final states with 5.4 fb(-1) of data from pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , <b>2010</b> , 104, 241802	7-4	32

287	Precise measurement of the top-quark mass from lepton+jets events at D0. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	32
286	Measurement of the WW production cross section with dilepton final states in pp collisions at square root(s) = 1.96 TeV and limits on anomalous trilinear gauge couplings. <i>Physical Review Letters</i> , <b>2009</b> , 103, 191801	7.4	32
285	The inclusive jet cross section in pp collisions at s=1.8 TeV using the k <sub>T</sub> algorithm. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 525, 211-218	4.2	32
284	Search for new physics in e <sup>+</sup> e <sup>-</sup> data at DØ using SLEUTH: A quasi-model-independent search strategy for new physics. <i>Physical Review D</i> , <b>2000</b> , 62,	4.9	32
283	Search for Higgs boson production in dilepton and missing energy final states with 5.4 fb <sup>-1</sup> of pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , <b>2010</b> , 104, 061804	7.4	31
282	Vertically Integrated Circuits at Fermilab. <i>IEEE Transactions on Nuclear Science</i> , <b>2010</b> , 57, 2178-2186	1.7	31
281	Combined Tevatron upper limit on gg→H→W+W and constraints on the Higgs boson mass in fourth-generation fermion models. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	31
280	Measurement of spin correlation in tt production using a matrix element approach. <i>Physical Review Letters</i> , <b>2011</b> , 107, 032001	7.4	31
279	Dependence of the tt production cross section on the transverse momentum of the top quark. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 515-521	4.2	31
278	Search for Higgs bosons decaying to tau pairs in pp collisions with the D0 detector. <i>Physical Review Letters</i> , <b>2008</b> , 101, 071804	7.4	31
277	Measurement of the tt production cross section in pp collisions at sqrt(s)=1.96 TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 192004	7.4	31
276	Search for single top quark production in pp collisions at s=1.96TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 622, 265-276	4.2	31
275	Measurement of the Top Quark Pair Production Cross Section in the All-Jets Decay Channel. <i>Physical Review Letters</i> , <b>1999</b> , 83, 1908-1913	7.4	31
274	Search for the Supersymmetric Partners of the Z0 and W±. <i>Physical Review Letters</i> , <b>1984</b> , 53, 1806-1809	7.4	31
273	Measurement of e <sup>+</sup> e <sup>-</sup> → micro <sup>+</sup> micro <sup>-</sup> : A test of electroweak theories. <i>Physical Review Letters</i> , <b>1985</b> , 55, 665-668	7.4	31
272	Determination of the width of the top quark. <i>Physical Review Letters</i> , <b>2011</b> , 106, 022001	7.4	30
271	Search for Diphoton Events with Large Missing Transverse Energy in pp Collisions at =1.8TeV. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2070-2074	7.4	30
270	First study of the radiation-amplitude zero in Wgamma production and limits on anomalous WWgamma couplings at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 241805	7.4	30

269	Measurement of the $\sigma_{\text{had}}^{\text{had}}(\sqrt{s})$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 626, 35-44	4.2	30
268	Search for Randall-Sundrum gravitons in dilepton and diphoton final states. <i>Physical Review Letters</i> , <b>2005</b> , 95, 091801	7.4	30
267	Azimuthal Decorrelation of Jets Widely Separated in Rapidity. <i>Physical Review Letters</i> , <b>1996</b> , 77, 595-600	7.4	30
266	Study of hadron and inclusive muon production from $e^+e^-$ annihilation at $\sqrt{s} = 39.79$ GeV. <i>Physical Review D</i> , <b>1986</b> , 34, 681-691	4.9	30
265	Search for resonant diphoton production with the D0 detector. <i>Physical Review Letters</i> , <b>2009</b> , 102, 231801	7.4	29
264	Search for neutral Higgs bosons in the multi-b-jet topology in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 97-104	4.2	29
263	Search for flavor changing neutral currents in decays of top quarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 313-320	4.2	29
262	Simultaneous measurement of the ratio $R = \sigma(B \rightarrow Wb)/\sigma(B \rightarrow Wq)$ and the top-quark pair production cross section with the D0 detector at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 192003	7.4	29
261	Search for supersymmetry in di-photon final states at $\sqrt{s} = 1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 659, 856-863	4.2	29
260	Search for neutral Higgs bosons decaying to tau pairs in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 121802	7.4	29
259	$t\bar{t}$ production cross section in $pp$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	29
258	Search for second-generation leptoquark pairs in $pp$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2088-93	7.4	29
257	$Z\bar{\nu}\nu$ production in $pp$ collisions at $\sqrt{s} = 1.8$ TeV and limits on anomalous $ZZ\bar{\nu}\nu$ and $Z\bar{\nu}\nu$ couplings. <i>Physical Review D</i> , <b>1998</b> , 57, R3817-R3821	4.9	29
256	Search for New Particles in $e^+e^-$ Annihilation from 39.79 to 45.52 GeV. <i>Physical Review Letters</i> , <b>1984</b> , 53, 134-137	7.4	29
255	Measurements of single top quark production cross sections and $ V_{tb} $ in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	28
254	Search for large extra spatial dimensions in the dielectron and diphoton channels in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 051601	7.4	28
253	Search for charged higgs bosons decaying into top and bottom quarks in $pp$ collisions. <i>Physical Review Letters</i> , <b>2009</b> , 102, 191802	7.4	28
252	Measurements of differential cross sections of $\sigma_{\text{had}}^{\text{had}}(\sqrt{s})$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 678, 45-54	4.2	28

251	Measurement of the $\sigma_{\text{had}}^{\text{had}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 679, 177-185	4.2	28
250	Measurement of the ratios of the $\sigma_{\text{had}}^{\text{had}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 658, 112-119	4.2	28
249	Search for pair production of scalar bottom quarks in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 171806	7.4	28
248	Measurement of the $\sigma_{\text{had}}^{\text{had}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 626, 45-54	4.2	28
247	Measurement of the W boson mass using large rapidity electrons. <i>Physical Review D</i> , <b>2000</b> , 62,	4.9	28
246	A Measurement of the W Boson Mass at the Fermilab pp Collider. <i>Physical Review Letters</i> , <b>1998</b> , 80, 3008-3013	7.4	28
245	Beam tests of the D $\pi$ uranium liquid argon end calorimeters. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1993</b> , 324, 53-76	1.2	28
244	Measurement of $(\overline{\text{B}}\text{B})$ angular correlations based on secondary vertex reconstruction at $(\sqrt{s} = 7, \text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	27
243	Measurement of Z/ $\gamma$ +jet+X angular distributions in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 682, 370-380	4.2	27
242	Measurement of the forward-backward charge asymmetry and extraction of $\sin^2\theta_{\text{W}}^{\text{eff}}$ in $\text{pp} \rightarrow \text{Z}/\gamma^* + \text{X} \rightarrow \text{e}^+\text{e}^- + \text{X}$ events produced at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 191801	7.4	27
241	Search for ZZ and Z $\gamma^*$ production in pp collisions at square root $s=1.96$ TeV and limits on anomalous ZZZ and ZZ $\gamma^*$ couplings. <i>Physical Review Letters</i> , <b>2008</b> , 100, 131801	7.4	27
240	Combined D0 measurements constraining the CP-violating phase and width difference in the Bs0 system. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	27
239	Measurement of Bd mixing using opposite-side flavor tagging. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	27
238	Measurement of the WW production cross section in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 151801	7.4	27
237	Measurement of the Shape of the Transverse Momentum Distribution of W Bosons Produced in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 80, 5498-5503	7.4	27
236	Measurement of the top quark pair production cross section in pp collisions using multijet final states. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	27
235	Search for Nonstandard Higgs Bosons Using High Mass Photon Pairs in pp $\rightarrow$ $\gamma\gamma$ + 2 Jets at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1999</b> , 82, 2244-2249	7.4	27
234	Search for Anomalous WW and WZ Production in pp-bar Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1996</b> , 77, 3303-3308	7.4	27

233	Search for CP violation in $B_s^0 \rightarrow D_s \mu \mu$ decays in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	26
232	Limits on WWZ and WW $\gamma$ Couplings from $pp \rightarrow e \mu X$ Events at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1997</b> , 79, 1441-1446	7.4	26
231	Studies of gauge boson pair production and trilinear couplings. <i>Physical Review D</i> , <b>1997</b> , 56, 6742-6778	4.9	26
230	Measurement of the top quark mass in the lepton+jets channel using the ideogram method. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	26
229	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions using dilepton events. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	26
228	Search for $\tilde{g}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 641, 423-431	4.2	26
227	Search for large extra spatial dimensions in dimuon production with the d0 detector. <i>Physical Review Letters</i> , <b>2005</b> , 95, 161602	7.4	26
226	Measurement of the W boson mass using electrons at large rapidities. <i>Physical Review Letters</i> , <b>2000</b> , 84, 222-7	7.4	26
225	Limits on the anomalous ZZ gamma and Z gamma gamma couplings in $pp$ -bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1995</b> , 75, 1028-1033	7.4	26
224	Direct measurement of the mass difference between top and antitop quarks. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	25
223	Search for dark photons from supersymmetric hidden valleys. <i>Physical Review Letters</i> , <b>2009</b> , 103, 081802	7.4	25
222	Measurement of the semileptonic branching ratio of $B_{s;0}$ to an orbitally excited $D_{s;1}^{(*)}$ state: $Br(B_{s;0} \rightarrow D_{s1}^{(*)} \mu^+ \nu_X)$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 051801	7.4	25
221	Search for a Fourth Generation Charge $2/3$ Quark via Flavor Changing Neutral Current Decay. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3818-3823	7.4	25
220	Search for anomalous Wtb couplings in single top quark production. <i>Physical Review Letters</i> , <b>2008</b> , 101, 221801	7.4	25
219	Measurement of the ratio of the $\sigma_{pp \rightarrow t\bar{t}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 666, 23-30	4.2	25
218	Search for heavy particles decaying into electron-positron pairs in $pp$ collisions. <i>Physical Review Letters</i> , <b>2001</b> , 87, 061802	7.4	25
217	Quasi-model-independent search for new physics at large transverse momentum. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	25
216	Search for additional neutral gauge bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 385, 471-478	4.2	25



215	Measurement of $(pp \rightarrow Z+X)Br(Z \rightarrow \tau\tau)$ at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 670, 292-299	4.2	24
214	Search for a fourth generation tLQuark in $p-p$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 082001	7.4	24
213	Search for doubly charged Higgs boson pair production in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 108, 021801	7.4	24
212	Measurement of the dijet invariant mass cross section in $pp$ collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 531-538	4.2	24
211	Search for $Bs_0 \rightarrow \tau\tau$ decays at D0. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	24
210	Measurement of the differential cross section for the production of an isolated photon with associated jet in $p-p$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 666, 435-445	4.2	24
209	Search for neutral, long-lived particles decaying into two muons in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 161802	7.4	24
208	Quasi-model-independent search for new high $p(T)$ physics at D0. <i>Physical Review Letters</i> , <b>2001</b> , 86, 3712-74	7.4	24
207	Probing Balitsky-Fadin-Kuraev-Lipatov dynamics in the dijet cross section at large rapidity intervals in $pp$ collisions at $\sqrt{s}=1800$ and $630$ GeV. <i>Physical Review Letters</i> , <b>2000</b> , 84, 5722-7	7.4	24
206	Search for Charge $\frac{1}{3}$ Third-Generation Leptoquarks in $pp$ Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , <b>1998</b> , 81, 38-43	7.4	24
205	Search for R-Parity Violating Supersymmetry in the Dielectron Channel. <i>Physical Review Letters</i> , <b>1999</b> , 83, 4476-4481	7.4	24
204	Hadron and electron response of uranium/liquid argon calorimeter modules for the D0 detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1989</b> , 280, 36-44	1.2	24
203	Search for diphoton events with large missing transverse energy in $6.3$ fb $^{-1}$ of $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 221802	7.4	23
202	Development of a 10ps level time of flight system in the Fermilab Test Beam Facility. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 623, 931-941	1.2	23
201	Precise measurement of the top-quark mass from lepton + jets events. <i>Physical Review Letters</i> , <b>2008</b> , 101, 182001	7.4	23
200	$Z$ production and limits on anomalous $ZZ$ and $Z\tau$ couplings in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 653, 378-386	4.2	23
199	Measurement of the charge asymmetry in semileptonic $Bs_0$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 151801	7.4	23
198	Differential cross section for $w$ boson production as a function of transverse momentum in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 513, 292-300	4.2	23



197	Measurement of Bose-Einstein correlations in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	22
196	Search for pair production of second generation scalar leptoquarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 671, 224-232	4.2	22
195	Search for the lightest scalar top quark in events with two leptons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 675, 289-296	4.2	22
194	Azimuthal decorrelations and multiple parton interactions in $\geq 2$ jet and $\geq 3$ jet events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	22
193	Search for the pair production of scalar top quarks in the acoplanar charm jet final state in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 645, 119-127	4.2	22
192	Measurement of the $B_s(0)$ lifetime using semileptonic decays. <i>Physical Review Letters</i> , <b>2006</b> , 97, 241801	7.4	22
191	Search for $Wbb$ and $WH$ production in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 091802	7.4	22
190	Studies of $WW$ and $WZ$ production and limits on anomalous $WW$ and $WWZ$ couplings. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	22
189	Search for bottom squarks in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	22
188	Inclusive b-hadron production cross section with muons in pp collisions at ( $\sqrt{s} = 7$ ;{text{TeV}} ). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	21
187	Measurement of $\sin 2\theta_{ff}$ and Z-light quark couplings using the forward-backward charge asymmetry in $pp \rightarrow Z/\gamma \rightarrow e^+e^-$ events with $L=5.0$ fb at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	21
186	Search for third generation scalar leptoquarks decaying into $\tau aub$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 241802	7.4	21
185	Search for third-generation scalar leptoquarks in pp at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2007</b> , 99, 061801	7.4	21
184	Measurement of the $\Lambda_b$ lifetime in the exclusive decay $\Lambda_b \rightarrow J/\psi \Lambda_b$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 142001	7.4	21
183	Search for right-handed W bosons in top quark decay. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	21
182	Search for narrow $tt$ resonances in pp collisions at square root of $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 92, 221801	7.4	21
181	Determination of the mass of the W boson using the D $\phi$ detector at the Fermilab Tevatron. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	21
180	Search for Trilepton Signatures from Associated Gaugino Pair Production. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1591-1596	7.4	21

179	Measurements of inclusive $\tau$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 200-207	4.2	20
178	Search for pair production of first-generation leptoquarks in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 681, 224-232	4.2	20
177	Search for charged Higgs bosons in decays of top quarks. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	20
176	Measurement of the $WZ \rightarrow \tau\tau$ cross section and limits on anomalous triple gauge couplings in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 695, 67-73	4.2	20
175	Search for Randall-Sundrum gravitons with 1 fb <sup>-1</sup> of data from $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 091802	7.4	20
174	Search for first-generation scalar leptoquarks in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	20
173	Measurement of $\sigma(pp \rightarrow Z) \cdot \text{Br}(Z \rightarrow \tau\tau)$ at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	20
172	Search for supersymmetry via associated production of charginos and neutralinos in final states with three leptons. <i>Physical Review Letters</i> , <b>2005</b> , 95, 151805	7.4	20
171	Measurement of the strong-coupling constant $\alpha_s$ to second order for $22$ . <i>Physical Review Letters</i> , <b>1985</b> , 54, 1750-1753	7.4	20
170	Directly coupled tiles as elements of a scintillator calorimeter with MPPC readout. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 605, 277-281	1.2	19
169	Measurement of the $pp \rightarrow WZ+X$ cross section at $\sqrt{s}=1.96$ TeV and limits on WWZ trilinear gauge couplings. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	19
168	Search for scalar leptoquarks and T-odd quarks in the acoplanar jet topology using of collision data at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 668, 357-363	4.2	19
167	Search for the Higgs boson in $H \rightarrow WW^{(*)}$ decays in $pp$ collisions at square root of 1.96 TeV. <i>Physical Review Letters</i> , <b>2006</b> , 96, 011801	7.4	19
166	Measurement of the $pp \rightarrow W\tau X$ cross section at $\sqrt{s}=1.96$ TeV and $WW$ anomalous coupling limits. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	19
165	Search for R-parity violating supersymmetry via the $LEP$ couplings $\kappa_{21}$ , $\kappa_{22}$ or $\kappa_{33}$ in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 638, 441-449	4.2	19
164	Measurement of the ratio of inclusive cross sections $\sigma(pp \rightarrow Z + b \text{ jet})/\sigma(pp \rightarrow Z + \text{jet})$ at square root( $s$ ) = 1.96 TeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 161801	7.4	19
163	Subject multiplicity of gluon and quark jets reconstructed with the $k_T$ algorithm in $pp$ collisions. <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	19
162	Search for events with leptonic jets and missing transverse energy in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 211802	7.4	18

161	Search for associated W and Higgs Boson production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 051803	7.4	18
160	Search for anomalous top-quark couplings with the D0 detector. <i>Physical Review Letters</i> , <b>2009</b> , 102, 092002	7.4	18
159	Search for pair production of the scalar top quark in the electron + muon final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 696, 321-327	4.2	18
158	Search for Resonant WW and WZ Production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 011801	7.4	18
157	WW production and limits on anomalous WW couplings in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 241803	7.4	18
156	Measurement of the top quark mass in final states with two leptons. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	18
155	Search for excited electrons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	18
154	Search for long-lived particles decaying into electron or photon pairs with the D0 detector. <i>Physical Review Letters</i> , <b>2008</b> , 101, 111802	7.4	18
153	Measurement of the $\Lambda_{b0}$ lifetime using semileptonic decays. <i>Physical Review Letters</i> , <b>2007</b> , 99, 182001	7.4	18
152	Search for pair production of second generation scalar leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 636, 183-190	4.2	18
151	Hard single diffraction in p p collisions at $\sqrt{s}=630$ and $1800$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 531, 52-60	4.2	18
150	Measurement of the top quark mass in all-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 606, 25-33	4.2	18
149	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 626, 55-64	4.2	18
148	Measurement of semileptonic branching fractions of B mesons to narrow $D^{**}$ states. <i>Physical Review Letters</i> , <b>2005</b> , 95, 171803	7.4	18
147	Limits on anomalous WW and WWZ couplings from WW/WZ $\rightarrow e\bar{e}$ production. <i>Physical Review D</i> , <b>2000</b> , 62,	4.9	18
146	Measurement of W and Z boson production cross sections in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	18
145	Studies of topological distributions of inclusive three- and four-jet events in p-bar p collisions at $\sqrt{s}=1800$ GeV with the D0 detector. <i>Physical Review D</i> , <b>1996</b> , 53, 6000-6016	4.9	18
144	Search for sneutrino production in e final states in $5.3 \text{ fb}^{-1}$ of pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 191802	7.4	17

143	Measurement of the Zgamma $\rightarrow$ $n\nu$ production cross section and limits on anomalous ZZgamma and Zgamma gamma couplings in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 201802	7.4	17
142	Precise measurement of the top quark mass in the dilepton channel at D0. <i>Physical Review Letters</i> , <b>2011</b> , 107, 082004	7.4	17
141	3D design activities at Fermilab Opportunities for physics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 617, 375-377	1.2	17
140	Color coherent radiation in multijet events from collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 414, 419-427	4.2	17
139	Study of direct CP violation in $B(+/-) \rightarrow J/\psi K(+/-) \pi(+/-)$ decays. <i>Physical Review Letters</i> , <b>2008</b> , 100, 211802	7.4	17
138	Search for flavor-changing-neutral-current d meson decays. <i>Physical Review Letters</i> , <b>2008</b> , 100, 101801	7.4	17
137	Measurement of the W boson helicity in top quark decays at D0. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	17
136	Direct measurement of the W boson decay width. <i>Physical Review D</i> , <b>2002</b> , 66,	4.9	17
135	Search for Squarks and Gluinos in Single-Photon Events with Jets and Large Missing Transverse Energy in pp Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1999</b> , 82, 29-34	7.4	17
134	Search for $W\tilde{1}Z\tilde{2}$ production via trilepton final states in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>1996</b> , 76, 2228-2233	7.4	17
133	The production and decay of tau leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1986</b> , 179, 177-182	4.2	17
132	High resolution spectroscopy of $^{102}\text{Ru}(d, p)^{103}\text{Ru}$ and $^{104}\text{Ru}(p, d)^{103}\text{Ru}$ reactions. <i>Nuclear Physics A</i> , <b>1982</b> , 379, 93-109	1.3	17
131	Search for a resonance decaying into WZ boson pairs in pp collisions. <i>Physical Review Letters</i> , <b>2010</b> , 104, 061801	7.4	16
130	Search for WH associated production in $5.3 \text{ fb}^{-1}$ of pp collisions at the Fermilab Tevatron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 6-13	4.2	16
129	Search for single vectorlike quarks in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 081801	7.4	16
128	Observation of ZZ production in p-p collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 171803	7.4	16
127	Measurement of the $\Lambda_b$ lifetime in the decay $\Lambda_b \rightarrow J/\psi \Lambda_b$ with the D0 detector. <i>Physical Review Letters</i> , <b>2005</b> , 94, 102001	7.4	16
126	Search for the scalar top quark in pp collisions at square root $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , <b>2002</b> , 88, 171802	7.4	16

125	Search for the standard model higgs Boson in the $ZH \rightarrow \nu\bar{\nu}b\bar{b}$ channel in 5.2 fb <sup>-1</sup> of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 104, 071801	7.4	15
124	Evidence of WW and WZ production with lepton + jets final states in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 161801	7.4	15
123	Search for a scalar or vector particle decaying into $Z\nu\bar{\nu}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 671, 349-355	4.2	15
122	Search for admixture of scalar top quarks in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 674, 4-10	4.2	15
121	Measurement of the production fraction times branching fraction $f(b \rightarrow B)B(B \rightarrow J/\psi)$ <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	15
120	Search for a fermiophobic and standard model Higgs boson in diphoton final states. <i>Physical Review Letters</i> , <b>2011</b> , 107, 151801	7.4	15
119	Search for decay of a fermiophobic Higgs boson $h_f \rightarrow \gamma\gamma$ with the D0 detector at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 051801	7.4	15
118	Search for neutral Higgs bosons in multi-b-jet events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 221802	7.4	15
117	Multivariate searches for single top quark production with the D0 detector. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	15
116	Search for the lightest scalar top quark in events with two leptons in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 659, 500-508	4.2	15
115	A combined search for the standard model Higgs boson at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 663, 26-36	4.2	15
114	Search for resonant second generation slepton production at the Fermilab Tevatron. <i>Physical Review Letters</i> , <b>2006</b> , 97, 111801	7.4	15
113	Observation of diffractively produced W and Z bosons in p p collisions at $s=1800$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 574, 169-179	4.2	15
112	Study of $Z\gamma$ events and limits on anomalous $ZZ\gamma$ and $Z\gamma\gamma$ couplings in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 051802	7.4	15
111	Measurement of the B0s lifetime in the exclusive decay channel $B_0^s \rightarrow J/\psi\pi$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 042001	7.4	15
110	Search for supersymmetry with gauge-mediated breaking in diphoton events at D0. <i>Physical Review Letters</i> , <b>2005</b> , 94, 041801	7.4	15
109	Search for Second Generation Leptoquark Pairs Decaying to $b$ jets in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , <b>1999</b> , 83, 2896-2901	7.4	15
108	Search for $ZH \rightarrow l^+ l^- b\bar{b}$ production in 4.2 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 251801	7.4	14

107	Search for first generation leptoquark pair production in the electron + missing energy + jets final state. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	14
106	Search for the standard model Higgs boson in tau final states. <i>Physical Review Letters</i> , <b>2009</b> , 102, 251801	7.4	14
105	Measurement of color flow in $tt$ events from $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	14
104	Search for scalar neutrino superpartners in $e+\mu$ final states in $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , <b>2008</b> , 100, 241803	7.4	14
103	Measurement of the top quark mass in the dilepton channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 655, 7-14	4.2	14
102	Limits on $WW$ and $WWZ$ couplings from $W$ boson pair production. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	14
101	Measurement of three-jet differential cross sections $d^3\sigma/d^3p_T$ in $pp$ collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 704, 434-441	4.2	13
100	Measurement of $tt$ production in the $0$ jets topology using $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	13
99	Measurement of the ratio of inclusive cross sections $\sigma(pp \rightarrow Z+b\text{quark jet})/\sigma(pp \rightarrow Z+\text{jet})$ at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	13
98	Search for the decay $b \rightarrow Xs\mu\mu$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 423, 419-426	4.2	13
97	Search for associated higgs boson production $WH \rightarrow WWW^* \rightarrow l^+l^- \nu\bar{\nu} X$ in $pp$ collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , <b>2006</b> , 97, 151804	7.4	13
96	Measurement of the $pp \rightarrow tt+X$ production cross section at $s=1.96$ TeV in the fully hadronic decay channel. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	13
95	Measurement of the ratio of $B^+$ and $B^0$ meson lifetimes. <i>Physical Review Letters</i> , <b>2005</b> , 94, 182001	7.4	13
94	Ratio of jet cross sections at square root of $s = 630$ GeV and $1800$ GeV. <i>Physical Review Letters</i> , <b>2001</b> , 86, 2523-8	7.4	13
93	Search for first-generation scalar and vector leptoquarks. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	13
92	Search for top squark pair production in the dielectron channel. <i>Physical Review D</i> , <b>1998</b> , 57, 589-593	4.9	13
91	Search for Higgs bosons decaying to $\mu\mu$ pairs in $pp$ collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 323-329	4.2	12
90	Measurement of the $ZZ$ production cross section in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	12



89	Measurement of trilinear gauge boson couplings from $WW+WZ \rightarrow l\bar{l}$ events in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	12
88	Search for the standard model Higgs Boson in the $pp \rightarrow ZH \rightarrow n\nu\bar{\nu}bb$ channel. <i>Physical Review Letters</i> , <b>2006</b> , 97, 161803	7.4	12
87	Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 639, 616-622	4.2	12
86	Search for Pair Production of Light Scalar Top Quarks in $pp$ Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , <b>2004</b> , 93,	7.4	12
85	Search for dilepton signatures from minimal low-energy supergravity in $pp$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , <b>2001</b> , 63,	4.9	12
84	Measurement of the $W \rightarrow t\nu$ production cross section in $pp$ collisions at square root $s=1.8$ TeV. <i>Physical Review Letters</i> , <b>2000</b> , 84, 5710-5	7.4	12
83	Limits on anomalous $WW$ and $WWZ$ couplings. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	12
82	Synchrotron x-ray study of a low roughness and high efficiency $K_2CsSb$ photocathode during film growth. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 205303	3	11
81	A Small Signal Amplifier Based on Ionic Liquid Gated Black Phosphorous Field Effect Transistor. <i>IEEE Electron Device Letters</i> , <b>2015</b> , 36, 621-623	4.4	11
80	Measurement of the $t\bar{t}$ cross section using high-multiplicity jet events. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	11
79	Measurement of the angular and lifetime parameters of the decays $B_d^0 \rightarrow J/\psi K^*0$ and $B_s^0 \rightarrow J/\psi \phi$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 032001	7.4	11
78	Evidence for the decay $B_s^0 \rightarrow D_s^* D_s^*$ and a measurement of $\Delta\Gamma_{CP}/\Gamma_{CP}$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 091801	7.4	11
77	Search for neutral Higgs Bosons at high $\tan\beta$ in the $b(h/H/A) \rightarrow b\tau^+\tau^-$ channel. <i>Physical Review Letters</i> , <b>2009</b> , 102, 051804	7.4	11
76	Search for single top quarks in the $\tau$ + jets channel using 4.8 fb of $pp$ collision data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 690, 5-14	4.2	11
75	$ZZ \rightarrow l+l$ production in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	11
74	Search for a Higgs boson produced in association with a Z boson in $pp$ collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 655, 209-216	4.2	11
73	Search for excited muons in $pp$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	11
72	Search for the rare decay $B_s^0 \rightarrow \tau^+\tau^-$ with the D0 detector. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	11



71	Measurement of the lifetime difference in the B0(s) system. <i>Physical Review Letters</i> , <b>2005</b> , 95, 171801	7.4	11
70	Ultrafast inorganic scintillator-based front imager for Gigahertz Hard X-ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 940, 223-229	1.2	10
69	Search for the associated production of a b quark and a neutral supersymmetric Higgs boson that decays into tau pairs. <i>Physical Review Letters</i> , <b>2010</b> , 104, 151801	7.4	10
68	Direct measurement of the mass difference between top and antitop quarks. <i>Physical Review Letters</i> , <b>2009</b> , 103, 132001	7.4	10
67	Search for neutral minimal supersymmetric standard model Higgs bosons decaying to tau pairs produced in association with b quarks in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 121801	7.4	10
66	Search for techniparticles in e+jets events at D0. <i>Physical Review Letters</i> , <b>2007</b> , 98, 221801	7.4	10
65	Production of WZ events in pp collisions at square root(s) = 1.96 TeV and limits on anomalous WWZ couplings. <i>Physical Review Letters</i> , <b>2005</b> , 95, 141802	7.4	10
64	Search for scalar leptoquarks in the acoplanar jet topology in pp collisions at s=1.96TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 640, 230-237	4.2	10
63	Search for 3- and 4-body decays of the scalar top quark in pp collisions at s= 1.8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 581, 147-155	4.2	10
62	Multiple jet production at low transverse energies in pp collisions at s=1.8TeV. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	10
61	Search for leptoquark pairs decaying into nunu+jets in pp collisions at square root[s] = 1.8 TeV. <i>Physical Review Letters</i> , <b>2002</b> , 88, 191801	7.4	10
60	Design and R&D of RICH detectors for EIC experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 876, 237-240	1.2	9
59	Development and testing of cost-effective, 6 cm $\times$ 6 cm MCP-based photodetectors for fast timing applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 804, 84-93	1.2	9
58	Modular focusing ring imaging Cherenkov detector for electron-positron collider experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 871, 13-19	1.2	9
57	Direct measurement of the W boson width. <i>Physical Review Letters</i> , <b>2009</b> , 103, 231802	7.4	9
56	Search for associated Higgs boson production using like charge dilepton events in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	9
55	Search for new physics using QUAERO: a general interface to D0 event data. <i>Physical Review Letters</i> , <b>2001</b> , 87, 231801	7.4	9
54	Measurement of the angular distribution of electrons from W $\rightarrow$ e $\nu$ decays observed in pp collisions at s=1.8 TeV. <i>Physical Review D</i> , <b>2001</b> , 63,	4.9	9

53	Limits on quark compositeness from high energy jets in $p\bar{p}$ collisions at 1.8 TeV. <i>Physical Review D</i> , <b>2000</b> , 62,	4.9	9
52	Characteristics of fast timing MCP-PMTs in magnetic fields. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 929, 84-89	1.2	8
51	Design and fabrication of prototype $6\bar{8}$ cm <sup>2</sup> microchannel plate photodetector with bialkali photocathode for fast timing applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 784, 242-247	1.2	8
50	Search for new fermions ("quirks") at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , <b>2010</b> , 105, 211803	7.4	8
49	Search for the standard model Higgs boson in the $H \rightarrow WW \rightarrow l\bar{l}lq$ decay channel. <i>Physical Review Letters</i> , <b>2011</b> , 106, 171802	7.4	8
48	Study of the decay $B_s(0) \rightarrow D_s(*)D_s(*)$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 241801	7.4	8
47	Search for a heavy resonance decaying into a $Z$ +jet final state in $pp$ collisions at $\sqrt{s}=1.96$ TeV using the D0 detector. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
46	Limits on anomalous trilinear gauge couplings from $WW \rightarrow e^+e^-$ , $WW \rightarrow e\bar{\nu}_e$ , and $WW \rightarrow \mu\bar{\mu}$ events from $pp$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
45	Electrical properties of carbon fiber support systems. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 550, 127-138	1.2	8
44	Search for R-parity violation in multilepton final states in $pp$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , <b>2000</b> , 62,	4.9	8
43	Search for heavy W bosons in 1.8 TeV collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 358, 405-411	4.2	8
42	Top-quark physics at the CLIC electron-positron linear collider. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
41	R&D paths of pixel detectors for vertex tracking and radiation imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 716, 29-45	1.2	7
40	Beam tests of directly coupled scintillator tiles with MPPC readout. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 659, 348-354	1.2	7
39	High mass exclusive diffractive dijet production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 193-199	4.2	7
38	Search for squark production in events with jets, hadronically decaying tau leptons and missing transverse energy at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 680, 24-33	4.2	7
37	Search for single production of scalar leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 647, 74-81	4.2	7
36	Search for the production of single sleptons through R-parity violation in $pp$ collisions at square root ( $\sqrt{s}$ ) =1.8 TeV. <i>Physical Review Letters</i> , <b>2002</b> , 89, 261801	7.4	7

35	Evidence of color coherence effects in W+jets events from collisions at TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 464, 145-155	4.2	7
34	Development of a low-cost fast-timing microchannel plate photodetector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 824, 159-161	1.2	7
33	Measurement of the ratio of differential cross sections for W and Z boson production as a function of transverse momentum in pp collisions at $s=1.8\sqrt{\text{TeV}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 517, 299-308	4.2	6
32	AI-optimized detector design for the future Electron-Ion Collider: the dual-radiator RICH case. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P05009-P05009	1	5
31	Model independent search for new phenomena in pp collisions at $s=1.96\sqrt{\text{TeV}}$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	5
30	A novel method for modeling the recoil in W boson events at hadron colliders. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 609, 250-262	1.2	5
29	Search for anomalous heavy-flavor quark production in association with W bosons. <i>Physical Review Letters</i> , <b>2005</b> , 94, 152002	7.4	5
28	Search for R-parity violating supersymmetry in two-muon and four-jet topologies. <i>Physical Review Letters</i> , <b>2002</b> , 89, 171801	7.4	5
27	Particle and nuclear physics instrumentation and its broad connections. <i>Reviews of Modern Physics</i> , <b>2016</b> , 88,	40.5	5
26	Design Improvement and Bias Voltage Optimization of Glass-Body Microchannel Plate Picosecond Photodetector. <i>IEEE Transactions on Nuclear Science</i> , <b>2017</b> , 64, 1871-1879	1.7	4
25	Initial assessment of multilayer silicon detectors for hard X-ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 942, 162414	1.2	4
24	Developments of novel vertically integrated pixel sensors in the high energy physics community <b>2009</b> ,		4
23	Relative rates of B meson decays into $\Upsilon(2S)$ and $J/\psi$ mesons. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	4
22	Search for particles decaying into a Z boson and a photon in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 641, 415-422	4.2	4
21	MCP-based photodetectors for cryogenic applications. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, C02019-C02019		3
20	Study of timing properties of silicon photomultipliers <b>2008</b> ,		3
19	From optical to X-ray ghost imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 935, 173-177	1.2	2
18	Fast-timing microchannel plate photodetectors: Design, fabrication, and characterization. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 043109	1.7	2

17	Development of AC-coupled, poly-silicon biased, p-on-n silicon strip detectors in India for HEP experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2018</b> , 882, 1-10	1.2	2
16	Imaging of large-area microchannel plates using phosphor screens. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P11011-P11011	1	2
15	Optimization of Transmission Mode Metallic (Aluminum) Photocathodes. <i>Physics Procedia</i> , <b>2012</b> , 37, 757-764		2
14	Search for minimal supergravity in single-electron events with jets and large missing transverse energy in pp collisions at $\sqrt{s}=1.8\text{TeV}$ . <i>Physical Review D</i> , <b>2002</b> , 66,	4.9	2
13	First experimental demonstration of time-resolved X-ray measurements with next-generation fast-timing MCP-PMT. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 927, 287-292	1.2	1
12	Conceptual design studies for a CEPC detector. <i>International Journal of Modern Physics A</i> , <b>2016</b> , 31, 16440-16442	0.21	1
11	Development of an Alkali Transfer Photocathode for Large Area Microchannel Plate-Based Photodetectors. <i>Physics Procedia</i> , <b>2012</b> , 37, 733-739		1
10	Real time evolution of antimony deposition for high performance alkali photocathode development <b>2013</b> ,		1
9	Vertically integrated circuits at fermilab <b>2009</b> ,		1
8	Search for the standard model Higgs boson in the missing energy and acoplanar b-jet topology at $\sqrt{s}=1.96\text{TeV}$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 251802	7.4	1
7	Large area planar photocathode for MCP-based photodetectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2020</b> , 955, 163234	1.2	1
6	Revealing the Correlations between Growth Recipe and Microscopic Structure of Bi-alkali/Multi-alkali Photocathodes. <i>Physics Procedia</i> , <b>2012</b> , 37, 765-772		
5	Architecture of a silicon strip beam position monitor. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, C12039-C12039		
4	Electroweak results from hadron colliders. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1998</b> , 66, 12-24		
3	A Silicon Detector on a Carbon Fiber Support Structure at Small Radius. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2006</b> , 150, 219-222		
2	Radiation tolerance study on irradiated AC-coupled, poly-silicon biased, p-on-n silicon strip sensors developed in India. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 913, 97-102	1.2	
1	Feasibility of hard X-ray imaging using monolithic active pixel sensors (MAPS). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2020</b> , 954, 161243	1.2	