

Karel Soustruznik

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.

391
papers

12,517
citations

51
h-index

81
g-index

400
ext. papers

13,479
ext. citations

5.6
avg, IF

2.46
L-index

#	Paper	IF	Citations
391	The upgraded DØ detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 565, 463-537	1.2	465
390	Observation and properties of the X(3872) decaying to J/ψπ ⁺ π ⁻ in pp collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2004 , 93, 162002	7.4	408
389	Measurement of the forward-backward charge asymmetry in top-quark pair production. <i>Physical Review Letters</i> , 2008 , 100, 142002	7.4	183
388	Evidence for a particle produced in association with weak bosons and decaying to a bottom-antibottom quark pair in higgs boson searches at the tevatron. <i>Physical Review Letters</i> , 2012 , 109, 071804	7.4	175
387	Observation of single top-quark production. <i>Physical Review Letters</i> , 2009 , 103, 092001	7.4	172
386	Forward-backward asymmetry in top quark-antiquark production. <i>Physical Review D</i> , 2011 , 84,	4.9	170
385	Direct limits on the oscillation frequency. <i>Physical Review Letters</i> , 2006 , 97, 021802	7.4	165
384	Measurement of Bs0 mixing parameters from the flavor-tagged decay Bs0→J/ψφ. <i>Physical Review Letters</i> , 2008 , 101, 241801	7.4	156
383	Measurement of the inclusive jet cross section in pp collisions at square root [s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 062001	7.4	148
382	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review D</i> , 2010 , 82,	4.9	123
381	First Measurement of Electron Neutrino Appearance in NOvA. <i>Physical Review Letters</i> , 2016 , 116, 151806	7.4	122
380	Double parton interactions in 3 jet events in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2010 , 81,	4.9	119
379	Evidence for a B _s ⁰ state. <i>Physical Review Letters</i> , 2016 , 117, 022003	7.4	110
378	The muon system of the Run II DØ detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 552, 372-398	1.2	109
377	Combination of Tevatron searches for the standard model Higgs boson in the W+W ⁻ decay mode. <i>Physical Review Letters</i> , 2010 , 104, 061802	7.4	104
376	Combination of the top-quark mass measurements from the Tevatron collider. <i>Physical Review D</i> , 2012 , 86,	4.9	104
375	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> , 2000 , 487, 264-272	4.2	103

374	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> , 2008 , 660, 449-457	4.2	95
373	Search for charged Higgs bosons in top quark decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 682, 278-286	4.2	92
372	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review Letters</i> , 2010 , 105, 081801	4.4	89
371	Measurement of the anomalous like-sign dimuon charge asymmetry with 9 fb ⁻¹ of pp collisions. <i>Physical Review D</i> , 2011 , 84,	4.9	88
370	Constraints on Oscillation Parameters from μ Appearance and τ Disappearance in NOvA. <i>Physical Review Letters</i> , 2017 , 118, 231801	7.4	87
369	b-Jet identification in the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 620, 490-517	1.2	87
368	Evidence for production of single top quarks and first direct measurement of V _{tb} . <i>Physical Review Letters</i> , 2007 , 98, 181802	7.4	86
367	Direct observation of the strange b baryon Ξ_{bb}^- . <i>Physical Review Letters</i> , 2007 , 99, 052001	7.4	86
366	Measurement of the shape of the boson-transverse momentum distribution in pp → Z/gamma* → e+e- + X events produced at square root s = 1.96 TeV. <i>Physical Review Letters</i> , 2008 , 100, 102002	7.4	83
365	Higgs boson studies at the Tevatron. <i>Physical Review D</i> , 2013 , 88,	4.9	73
364	Observation of the B _c meson in the exclusive decay B _c → J/ψπ. <i>Physical Review Letters</i> , 2008 , 101, 012004	7.4	72
363	Measurement of the CP-violating phase $\arg(V_{cb}V_{cs}^*)$ using the flavor-tagged decay B _s → J/ψπ in 8 fb ⁻¹ of pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	70
362	Evidence for production of single top quarks. <i>Physical Review D</i> , 2008 , 78,	4.9	69
361	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> , 2009 , 103, 191803	7.4	68
360	Measurement of the W boson mass with the D0 detector. <i>Physical Review Letters</i> , 2012 , 108, 151804	7.4	67
359	Cross section for b-Jet production in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 85, 5068-73	7.4	65
358	Measurement of the Neutrino Mixing Angle θ_{13} in NOvA. <i>Physical Review Letters</i> , 2017 , 118, 151802	7.4	64
357	Observation of the doubly strange b baryon Ω_{bb}^- . <i>Physical Review Letters</i> , 2008 , 101, 232002	7.4	64

356	Measurement of the isolated photon cross section in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 151-158	4.2	64
355	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> , 2004 , 93, 141801	7.4	63
354	First measurement of muon-neutrino disappearance in NOVA. <i>Physical Review D</i> , 2016 , 93,	4.9	61
353	Search for large extra dimensions in dielectron and diphoton production. <i>Physical Review Letters</i> , 2001 , 86, 1156-61	7.4	61
352	Search for the rare decay $B_s \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 539-544	4.2	60
351	Inclusive jet production in pp collisions. <i>Physical Review Letters</i> , 2001 , 86, 1707-12	7.4	60
350	Search for the $X(4140)$ state in $B^+ \rightarrow J/\psi K^+$ decays with the D0 detector. <i>Physical Review D</i> , 2014 , 89,	4.9	59
349	Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb^{-1} of data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 34-43	4.2	58
348	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> , 2007 , 76,	4.9	58
347	Observation and properties of the orbitally excited $B_{(s2)}^*$ meson. <i>Physical Review Letters</i> , 2008 , 100, 082002	7.4	57
346	Search for the flavor-changing neutral current decay $B_0^s \rightarrow \mu^+ \mu^-$ in pp Collisions at $\sqrt{s} = 1.96$ TeV with the D0 detector. <i>Physical Review Letters</i> , 2005 , 94, 071802	7.4	55
345	Bounds on an anomalous dijet resonance in W +jets production in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 011804	7.4	54
344	Improved determination of the width of the top quark. <i>Physical Review D</i> , 2012 , 85,	4.9	53
343	Determination of the pole and Γ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 422-427	4.2	52
342	Search for next-to-minimal supersymmetric Higgs bosons in the $h \rightarrow a a \rightarrow \mu\mu\mu\mu$, $h \rightarrow a a \rightarrow \tau\tau\tau\tau$ channels using pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 061801	7.4	52
341	Search for a heavy neutral gauge boson in the dielectron channel with 5.4 fb^{-1} of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 695, 88-94	4.2	52
340	Combination of $t\bar{t}$ cross section measurements and constraints on the mass of the top quark and its decays into charged Higgs bosons. <i>Physical Review D</i> , 2009 , 80,	4.9	51
339	Search for single top quark production at DØ using neural networks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 282-294	4.2	51

338	Lifetime difference and CP-violating phase in the Bs0 system. <i>Physical Review Letters</i> , 2007 , 98, 121801	7.4	50
337	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> , 2007 , 76,	4.9	49
336	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> , 2008 , 665, 1-8	4.2	49
335	Evidence for spin correlation in t t production. <i>Physical Review Letters</i> , 2012 , 108, 032004	7.4	48
334	Measurement of the electron charge asymmetry in pp[over]-->W+X-->enu+X events at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 211801	7.4	48
333	Measurement of the polarization of the upsilon(1S) and upsilon(2S) states in pp collisions at square root[s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 182004	7.4	48
332	Search for new particles in the two-jet decay channel with the D detector. <i>Physical Review D</i> , 2004 , 69,	4.9	48
331	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. <i>Physical Review D</i> , 2014 , 89,	4.9	47
330	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 403-410	4.2	47
329	Measurement of the inclusive jet cross section in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	47
328	Measurement of the muon charge asymmetry from W boson decays. <i>Physical Review D</i> , 2008 , 77,	4.9	47
327	Properties of L=1 B(1) and B(2)* mesons. <i>Physical Review Letters</i> , 2007 , 99, 172001	7.4	47
326	Measurement of the forward-backward asymmetry in top quark-antiquark production in pp collisions using the lepton+jets channel. <i>Physical Review D</i> , 2014 , 90,	4.9	46
325	Search for long-lived charged massive particles with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 161802	7.4	46
324	Helicity of the W boson in lepton+jets . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 617, 1-10	4.2	46
323	Observation and studies of double J/ production at the Tevatron. <i>Physical Review D</i> , 2014 , 90,	4.9	45
322	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> , 2011 , 84,	4.9	45
321	Search for flavor changing neutral currents via quark gluon couplings in single top quark production using 2.3 fb of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 81-87	4.2	45

3 ²⁰	Search for W boson resonances decaying to a top quark and a bottom quark. <i>Physical Review Letters</i> , 2008 , 100, 211803	7.4	44
3 ¹⁹	Determination of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2009 , 80,	4.9	43
3 ¹⁸	Precise study of the Z boson transverse momentum distribution in pp collisions using a novel technique. <i>Physical Review Letters</i> , 2011 , 106, 122001	7.4	43
3 ¹⁷	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> , 2008 , 101, 071803	7.4	43
3 ¹⁶	Search for large extra dimensions via single photon plus missing energy final states at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 011601	7.4	43
3 ¹⁵	Measurement of the top quark mass in the lepton+jets final state with the matrix element method. <i>Physical Review D</i> , 2006 , 74,	4.9	43
3 ¹⁴	Search for production of single top quarks via t-channel and t-channel flavor-changing-neutral-current couplings. <i>Physical Review Letters</i> , 2007 , 99, 191802	7.4	43
3 ¹³	Experimental discrimination between charge $2e/3$ top quark and charge $4e/3$ exotic quark production scenarios. <i>Physical Review Letters</i> , 2007 , 98, 041801	7.4	43
3 ¹²	Measurement of the lifetime of the $B_c^{+/-}$ meson in the semileptonic decay channel. <i>Physical Review Letters</i> , 2009 , 102, 092001	7.4	42
3 ¹¹	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> , 2011 , 699, 145-150	4.2	42
3 ¹⁰	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using secondary vertex b tagging. <i>Physical Review D</i> , 2006 , 74,	4.9	42
3 ⁰⁹	Measurement of the differential cross section $d\sigma/dt$ in elastic pp scattering at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	41
3 ⁰⁸	Combination of CDF and D0 results on the W boson mass and width. <i>Physical Review D</i> , 2004 , 70,	4.9	41
3 ⁰⁷	Observation of s-channel production of single top quarks at the Tevatron. <i>Physical Review Letters</i> , 2014 , 112, 231803	7.4	40
3 ⁰⁶	Model-independent measurement of t-channel single top quark production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 313-319	4.2	40
3 ⁰⁵	Search for resonant pair production of neutral long-lived particles decaying to bb in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 071801	7.4	40
3 ⁰⁴	Measurement of the CP-violation parameter of B_0 mixing and decay with pp data. <i>Physical Review D</i> , 2006 , 74,	4.9	40
3 ⁰³	Precision measurement of the top quark mass in lepton + jets final States. <i>Physical Review Letters</i> , 2014 , 113, 032002	7.4	39

302	Combination of CDF and D0 W-Boson mass measurements. <i>Physical Review D</i> , 2013 , 88,	4.9	39
301	Search for scalar bottom quarks and third-generation leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 95-101	4.2	39
300	Search for WLbosons decaying to an electron and a neutrino with the D0 detector. <i>Physical Review Letters</i> , 2008 , 100, 031804	7.4	39
299	Measurement of the semileptonic charge asymmetry in B0 meson mixing with the D0 detector. <i>Physical Review D</i> , 2012 , 86,	4.9	38
298	Measurement of the normalized . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 522-530	4.2	38
297	Measurement of differential . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 669, 278-286	4.2	38
296	Measurement of gamma+b+X and gamma+c+X Production Cross Sections in pp[over] Collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2009 , 102, 192002	7.4	37
295	Observation of a narrow mass state decaying into $(1S)+n$ pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	37
294	Search for tt resonances in the lepton plus jets final state in pp collisions at s=1.96TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 668, 98-104	4.2	37
293	Measurement of the semileptonic charge asymmetry using B(s)(0) -> D(s)X decays. <i>Physical Review Letters</i> , 2013 , 110, 011801	7.4	36
292	Measurement of the t-channel single top quark production cross section. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 682, 363-369	4.2	36
291	Measurement of the W boson mass. <i>Physical Review Letters</i> , 2009 , 103, 141801	7.4	35
290	Search for stopped gluinos from pp collisions at square root s = 1.96 TeV. <i>Physical Review Letters</i> , 2007 , 99, 131801	7.4	35
289	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> , 2006 , 638, 119-127	4.2	35
288	Measurement of angular correlations of jets at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 56-63	4.2	34
287	Measurement of the asymmetry in angular distributions of leptons produced in dilepton tt final states in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	34
286	Combination of CDF and D0 measurements of the W boson helicity in top quark decays. <i>Physical Review D</i> , 2012 , 85,	4.9	34
285	Measurement of the W boson helicity in top quark decays using 5.4 fb of pp collision data. <i>Physical Review D</i> , 2011 , 83,	4.9	33

284	Precision measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ and extraction of V_{tb} . <i>Physical Review Letters</i> , 2011 , 107, 121802	7.4	33
283	Measurement of direct photon pair production cross sections in pp collisions at $s=1.96\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 690, 108-117	4.2	33
282	Model-independent measurement of the W-boson helicity in top-quark decays at D0. <i>Physical Review Letters</i> , 2008 , 100, 062004	7.4	33
281	Ratio of isolated photon cross sections in pp macro collisions at square root of $s = 630$ and 1800 GeV. <i>Physical Review Letters</i> , 2001 , 87, 251805	7.4	33
280	Inclusive Production of the X(4140) State in pp Collisions at D0. <i>Physical Review Letters</i> , 2015 , 115, 232001	7.4	32
279	Study of CP-violating charge asymmetries of single muons and like-sign dimuons in pp collisions. <i>Physical Review D</i> , 2014 , 89,	4.9	32
278	Measurement of spin correlation in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 702, 16-23	4.2	32
277	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> , 2010 , 104, 241802	7.4	32
276	Precise measurement of the top-quark mass from lepton+jets events at D0. <i>Physical Review D</i> , 2011 , 84,	4.9	32
275	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> , 2009 , 103, 191801	7.4	32
274	Search for new physics in e^+e^- data at D using SLEUTH: A quasi-model-independent search strategy for new physics. <i>Physical Review D</i> , 2000 , 62,	4.9	32
273	Evidence for Simultaneous Production of J/ψ and η Mesons. <i>Physical Review Letters</i> , 2016 , 116, 082002	7.4	31
272	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 32-39	4.2	31
271	Search for Higgs boson production in dilepton and missing energy final states with 5.4 fb^{-1} of pp collisions at square root(s) = 1.96 TeV . <i>Physical Review Letters</i> , 2010 , 104, 061804	7.4	31
270	Combined Tevatron upper limit on $gg \rightarrow H \rightarrow W+W$ and constraints on the Higgs boson mass in fourth-generation fermion models. <i>Physical Review D</i> , 2010 , 82,	4.9	31
269	Measurement of spin correlation in tt production using a matrix element approach. <i>Physical Review Letters</i> , 2011 , 107, 032001	7.4	31
268	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> , 2010 , 693, 515-521	4.2	31
267	Search for Higgs bosons decaying to tau pairs in pp collisions with the D0 detector. <i>Physical Review Letters</i> , 2008 , 101, 071804	7.4	31

266	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 192004	7.4	31
265	Search for single top quark production in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 622, 265-276	4.2	31
264	Evidence for s-channel single top quark production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 656-664	4.2	30
263	Measurement of the differential b -jet cross section and the ratio of differential b and c cross sections in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 354-361	4.2	30
262	Measurement of leptonic asymmetries and top-quark polarization in $t\bar{t}$ production. <i>Physical Review D</i> , 2013 , 87,	4.9	30
261	Determination of the width of the top quark. <i>Physical Review Letters</i> , 2011 , 106, 022001	7.4	30
260	First study of the radiation-amplitude zero in $W\gamma$ production and limits on anomalous $WW\gamma$ couplings at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 241805	7.4	30
259	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 626, 35-44	4.2	30
258	Measurement of the relative branching ratio of $B_s^0 \rightarrow J/\psi(980)$ to $B_s^0 \rightarrow J/\psi$. <i>Physical Review D</i> , 2012 , 85,	4.9	29
257	Search for resonant diphoton production with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 231801	7.4	29
256	Search for neutral Higgs bosons in the multi-b-jet topology in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 97-104	4.2	29
255	Search for flavor changing neutral currents in decays of top quarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 313-320	4.2	29
254	Combined search for the standard model Higgs boson decaying to $b\bar{b}$ using the D0 run II data set. <i>Physical Review Letters</i> , 2012 , 109, 121802	7.4	29
253	Simultaneous measurement of the ratio $R=B(t \rightarrow Wb)/B(t \rightarrow Wq)$ and the top-quark pair production cross section with the D0 detector at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 192003	7.4	29
252	Search for supersymmetry in di-photon final states at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 659, 856-863	4.2	29
251	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 121802	7.4	29
250	Measurement of differential $t\bar{t}$ production cross sections in pp collisions. <i>Physical Review D</i> , 2014 , 90,	4.9	28
249	Measurements of single top quark production cross sections and $ V_{tb} $ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	28

248	Search for large extra spatial dimensions in the dielectron and diphoton channels in pp[over] collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 051601	7.4	28
247	Search for charged higgs bosons decaying into top and bottom quarks in pp[over] collisions. <i>Physical Review Letters</i> , 2009 , 102, 191802	7.4	28
246	Measurements of differential cross sections of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 678, 45-54	4.2	28
245	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 679, 177-185	4.2	28
244	Search for a narrow $t\bar{t}$ resonance in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	28
243	Measurement of the ratios of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 658, 112-119	4.2	28
242	Search for pair production of scalar bottom quarks in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 171806	7.4	28
241	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 626, 45-54	4.2	28
240	Double parton interactions in $\bar{b}3$ jet and $\bar{b}b/c$ jet+2 jet events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	27
239	Limits on anomalous trilinear gauge boson couplings from WW, WZ and $W\bar{W}$ production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 451-459	4.2	27
238	Search for anomalous quartic $WW\bar{W}$ couplings in dielectron and missing energy final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	27
237	Measurement of the WZ and ZZ production cross sections using leptonic final states in 8.6 fb^{-1} of pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	27
236	Measurement of $Z/\bar{b}+jet+X$ angular distributions in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 682, 370-380	4.2	27
235	Measurement of the forward-backward charge asymmetry and extraction of $\sin^2\theta_{\text{Weff}}$ in $pp \rightarrow Z/\gamma^* + X \rightarrow e^+e^- + X$ events produced at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 191801	7.4	27
234	Search for ZZ and $Z\gamma^*$ production in pp[over] collisions at square root $\sqrt{s}=1.96$ TeV and limits on anomalous ZZZ and $ZZ\gamma^*$ couplings. <i>Physical Review Letters</i> , 2008 , 100, 131801	7.4	27
233	Combined D_0 measurements constraining the CP-violating phase and width difference in the B_s^0 system. <i>Physical Review D</i> , 2007 , 76,	4.9	27
232	Measurement of B_d mixing using opposite-side flavor tagging. <i>Physical Review D</i> , 2006 , 74,	4.9	27
231	Measurement of the WW production cross section in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 151801	7.4	27

230	Measurement of the electron charge asymmetry in $pp \rightarrow W+X \rightarrow e\mu X$ decays in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	26
229	Search for CP violation in $B_s^0 \rightarrow \mu\mu D_s^\pm$ decays in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	26
228	Measurement of the top quark mass in the lepton+jets channel using the ideogram method. <i>Physical Review D</i> , 2007 , 75,	4.9	26
227	Measurement of the $t\bar{t}$ production cross section in pp collisions using dilepton events. <i>Physical Review D</i> , 2007 , 76,	4.9	26
226	Search for . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 641, 423-431	4.2	26
225	Search for large extra spatial dimensions in dimuon production with the d0 detector. <i>Physical Review Letters</i> , 2005 , 95, 161602	7.4	26
224	Direct measurement of the mass difference between top and antitop quarks. <i>Physical Review D</i> , 2011 , 84,	4.9	25
223	Search for dark photons from supersymmetric hidden valleys. <i>Physical Review Letters</i> , 2009 , 103, 081802	7.4	25
222	Measurement of the semileptonic branching ratio of $B_{\{s\};\{0\}}$ to an orbitally excited $D_{\{s\};\{**\}}$ state: $Br(B_{\{s\};\{0\}} \rightarrow D_{\{s1\};\{-\}}(2536)\mu_{\{+\}}\nu X)$. <i>Physical Review Letters</i> , 2009 , 102, 051801	7.4	25
221	Search for anomalous Wtb couplings in single top quark production. <i>Physical Review Letters</i> , 2008 , 101, 221801	7.4	25
220	Measurement of the ratio of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 666, 23-30	4.2	25
219	Search for heavy particles decaying into electron-positron pairs in pp collisions. <i>Physical Review Letters</i> , 2001 , 87, 061802	7.4	25
218	Quasi-model-independent search for new physics at large transverse momentum. <i>Physical Review D</i> , 2001 , 64,	4.9	25
217	Muon reconstruction and identification with the Run II D0 detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 737, 281-294	1.2	24
216	Measurement of $(pp \rightarrow Z+X)Br(Z \rightarrow \mu\mu)$ at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 670, 292-299	4.2	24
215	Search for a fourth generation tL Quark in $p-p$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 082001	7.4	24
214	Search for doubly charged Higgs boson pair production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 021801	7.4	24
213	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> , 2010 , 693, 531-538	4.2	24

212	Search for $B_s^0 \rightarrow \mu\mu$ decays at D0. <i>Physical Review D</i> , 2007 , 76,	4.9	24
211	Measurement of the differential cross section for the production of an isolated photon with associated jet in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 666, 435-445	4.2	24
210	Search for neutral, long-lived particles decaying into two muons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 161802	7.4	24
209	Quasi-model-independent search for new high p(T) physics at D0. <i>Physical Review Letters</i> , 2001 , 86, 3712-74	7.4	24
208	Measurement of the muon charge asymmetry in $pp \rightarrow W+X \rightarrow \mu X$ events at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	23
207	Tevatron Combination of Single-Top-Quark Cross Sections and Determination of the Magnitude of the Cabibbo-Kobayashi-Maskawa Matrix Element V_{tb} . <i>Physical Review Letters</i> , 2015 , 115, 152003	7.4	23
206	Combination of searches for anomalous top quark couplings with 5.4fb of pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 165-171	4.2	23
205	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> , 2010 , 105, 221802	7.4	23
204	Precise measurement of the top-quark mass from lepton + jets events. <i>Physical Review Letters</i> , 2008 , 101, 182001	7.4	23
203	$Z\bar{\nu}$ production and limits on anomalous $ZZ\bar{\nu}$ and $Z\bar{\nu}$ couplings in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 653, 378-386	4.2	23
202	Measurement of the charge asymmetry in semileptonic B_s^0 decays. <i>Physical Review Letters</i> , 2007 , 98, 151801	7.4	23
201	Differential cross section for w boson production as a function of transverse momentum in collisions at TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 513, 292-300	4.2	23
200	Search for anomalous Wtb couplings in single top quark production in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 21-26	4.2	22
199	Search for pair production of second generation scalar leptoquarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 671, 224-232	4.2	22
198	Search for the lightest scalar top quark in events with two leptons in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 675, 289-296	4.2	22
197	Azimuthal decorrelations and multiple parton interactions in μ^2 jet and μ^3 jet events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	22
196	Search for the pair production of scalar top quarks in the acoplanar charm jet final state in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 645, 119-127	4.2	22
195	Measurement of the $B_s(0)$ lifetime using semileptonic decays. <i>Physical Review Letters</i> , 2006 , 97, 241801	7.4	22

194	Measurement of $\sin 2\beta_{\text{eff}}$ and Z-light quark couplings using the forward-backward charge asymmetry in $pp \rightarrow Z/\gamma \rightarrow e^+e^-$ events with $L=5.0 \text{ fb}^{-1}$ at $s=1.96 \text{ TeV}$. <i>Physical Review D</i> , 2011 , 84,	4.9	21
193	Search for third generation scalar leptoquarks decaying into τ_{ub} . <i>Physical Review Letters</i> , 2008 , 101, 241802	7.4	21
192	Search for third-generation scalar leptoquarks in pp at square root $s=1.96 \text{ TeV}$. <i>Physical Review Letters</i> , 2007 , 99, 061801	7.4	21
191	Measurement of the Λ_b lifetime in the exclusive decay $\Lambda_b \rightarrow J/\psi \Lambda_b$. <i>Physical Review Letters</i> , 2007 , 99, 142001	7.4	21
190	Search for right-handed W bosons in top quark decay. <i>Physical Review D</i> , 2005 , 72,	4.9	21
189	Search for narrow tt resonances in pp collisions at square root of $(s)=1.8 \text{ TeV}$. <i>Physical Review Letters</i> , 2004 , 92, 221801	7.4	21
188	Jet energy scale determination in the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 763, 442-475 ^{1.2}		20
187	Search for the standard model Higgs boson in the $ZH \rightarrow \gamma b\bar{b}$ channel in 9.5 fb^{-1} of pp collisions at $s=1.96 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 285-293	4.2	20
186	Measurements of inclusive τ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 200-207	4.2	20
185	Search for pair production of first-generation leptoquarks in pp . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 681, 224-232	4.2	20
184	Search for charged Higgs bosons in decays of top quarks. <i>Physical Review D</i> , 2009 , 80,	4.9	20
183	Measurement of the $WZ \rightarrow \gamma$ cross section and limits on anomalous triple gauge couplings in pp collisions at $s=1.96 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 695, 67-73	4.2	20
182	Search for violation of Lorentz invariance in top quark pair production and decay. <i>Physical Review Letters</i> , 2012 , 108, 261603	7.4	20
181	Search for Randall-Sundrum gravitons with 1 fb^{-1} of data from pp collisions at $\sqrt{s}=1.96 \text{ TeV}$. <i>Physical Review Letters</i> , 2008 , 100, 091802	7.4	20
180	Search for first-generation scalar leptoquarks in pp collisions at $s=1.96 \text{ TeV}$. <i>Physical Review D</i> , 2005 , 71,	4.9	20
179	Measurement of $(\sigma_{pp \rightarrow Z})/Br(Z \rightarrow \gamma)$ at $s=1.96 \text{ TeV}$. <i>Physical Review D</i> , 2005 , 71,	4.9	20
178	Search for supersymmetry via associated production of charginos and neutralinos in final states with three leptons. <i>Physical Review Letters</i> , 2005 , 95, 151805	7.4	20
177	Results from a new combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 449, 461-477	1.2	20

176	Electron and photon identification in the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 750, 78-95	1.2	19
175	$Z\bar{\nu}$ production and limits on anomalous $ZZ\bar{\nu}$ and $Z\bar{\nu}\nu$ couplings in $pp\bar{\nu}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	19
174	Measurement of the $pp\bar{\nu}\rightarrow WZ+X$ cross section at $\sqrt{s}=1.96$ TeV and limits on WWZ trilinear gauge couplings. <i>Physical Review D</i> , 2007 , 76,	4.9	19
173	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> , 2008 , 668, 357-363	4.2	19
172	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> , 2006 , 96, 011801	7.4	19
171	Measurement of the $pp\bar{\nu}\rightarrow W\bar{\nu}X$ cross section at $\sqrt{s}=1.96$ TeV and $WW\bar{\nu}$ anomalous coupling limits. <i>Physical Review D</i> , 2005 , 71,	4.9	19
170	Search for R-parity violating supersymmetry via the $LL\bar{E}\bar{\nu}$ couplings $\tilde{\kappa}_{21}$, $\tilde{\kappa}_{22}$ or $\tilde{\kappa}_{33}$ in $pp\bar{\nu}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 441-449	4.2	19
169	Measurement of the $pp\bar{\nu}\rightarrow W+b+X$ production cross section at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1314-1320	4.2	18
168	Simultaneous measurement of forward-backward asymmetry and top polarization in dilepton final states from $t\bar{t}$ production at the Tevatron. <i>Physical Review D</i> , 2015 , 92,	4.9	18
167	Measurement of the W boson mass with the D0 detector. <i>Physical Review D</i> , 2014 , 89,	4.9	18
166	Measurement of the forward-backward asymmetry in the distribution of leptons in $t\bar{t}$ events in the lepton+jets channel. <i>Physical Review D</i> , 2014 , 90,	4.9	18
165	Search for events with leptonic jets and missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 211802	7.4	18
164	Search for associated W and Higgs Boson production in $pp[\bar{\nu}]$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 051803	7.4	18
163	Search for anomalous top-quark couplings with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 092002	7.4	18
162	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> , 2011 , 696, 321-327	4.2	18
161	Search for Resonant WW and WZ Production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 011801	7.4	18
160	$W\bar{\nu}$ production and limits on anomalous $WW\bar{\nu}$ couplings in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 241803	7.4	18
159	Measurement of the top-quark mass in $pp\bar{\nu}$ collisions using events with two leptons. <i>Physical Review D</i> , 2012 , 86,	4.9	18

158	Measurement of the top quark mass in final states with two leptons. <i>Physical Review D</i> , 2009 , 80,	4.9	18
157	Search for excited electrons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	18
156	Search for long-lived particles decaying into electron or photon pairs with the D0 detector. <i>Physical Review Letters</i> , 2008 , 101, 111802	7.4	18
155	Measurement of the Λ_{b0} lifetime using semileptonic decays. <i>Physical Review Letters</i> , 2007 , 99, 182001	7.4	18
154	Search for pair production of second generation scalar leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 636, 183-190	4.2	18
153	Measurement of the top quark mass in all-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 606, 25-33	4.2	18
152	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 626, 55-64	4.2	18
151	Measurement of semileptonic branching fractions of B mesons to narrow D^{**} states. <i>Physical Review Letters</i> , 2005 , 95, 171803	7.4	18
150	Measurements of WW and WZ production in W + jets final states in pp collisions. <i>Physical Review Letters</i> , 2012 , 108, 181803	7.4	17
149	Search for sneutrino production in e final states in 5.3 fb ⁻¹ of pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 191802	7.4	17
148	Measurement of the $Z\gamma \rightarrow \nu\bar{\nu}\gamma$ production cross section and limits on anomalous ZZ γ and Z $\gamma\gamma$ couplings in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 201802	7.4	17
147	Precise measurement of the top quark mass in the dilepton channel at D0. <i>Physical Review Letters</i> , 2011 , 107, 082004	7.4	17
146	Measurement of the B_0 lifetime in the exclusive decay $B_0 \rightarrow J/\psi D$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	17
145	Study of direct CP violation in $B(\pm) \rightarrow J/\psi K(\pm)\pi(\pm)$ decays. <i>Physical Review Letters</i> , 2008 , 100, 211802	7.4	17
144	Search for flavor-changing-neutral-current d meson decays. <i>Physical Review Letters</i> , 2008 , 100, 101801	7.4	17
143	Measurement of the W boson helicity in top quark decays at D0. <i>Physical Review D</i> , 2007 , 75,	4.9	17
142	Improved b quark jet identification at the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 763, 290-303	1.2	16
141	Studies of W boson plus jets production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	16

140	Combined search for the Higgs boson with the D0 experiment. <i>Physical Review D</i> , 2013 , 88,	4.9	16
139	Search for a resonance decaying into WZ boson pairs in pp collisions. <i>Physical Review Letters</i> , 2010 , 104, 061801	7.4	16
138	Search for WH associated production in 5.3 fb of pp collisions at the Fermilab Tevatron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 6-13	4.2	16
137	Search for single vectorlike quarks in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 081801	7.4	16
136	Search for charged massive long-lived particles. <i>Physical Review Letters</i> , 2012 , 108, 121802	7.4	16
135	Search for neutral Higgs bosons in events with multiple bottom quarks at the Tevatron. <i>Physical Review D</i> , 2012 , 86,	4.9	16
134	Observation of ZZ production in p-p collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 171803	7.4	16
133	Measurement of the Λ_b lifetime in the decay $\Lambda_b \rightarrow J/\psi \Lambda$ with the D0 detector. <i>Physical Review Letters</i> , 2005 , 94, 102001	7.4	16
132	Search for Higgs bosons of the minimal supersymmetric standard model in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 569-577	4.2	15
131	Search for the standard model higgs Boson in the $ZH \rightarrow \nu\bar{\nu} b\bar{b}$ channel in 5.2 fb of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 104, 071801	7.4	15
130	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> , 2009 , 102, 161801	7.4	15
129	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> , 2009 , 671, 349-355	4.2	15
128	Search for admixture of scalar top quarks in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 674, 4-10	4.2	15
127	Measurement of the production fraction times branching fraction $f(b \rightarrow \bar{b})B(B \rightarrow J/\psi)$ <i>Physical Review D</i> , 2011 , 84,	4.9	15
126	Search for a fermiophobic and standard model Higgs boson in diphoton final states. <i>Physical Review Letters</i> , 2011 , 107, 151801	7.4	15
125	Search for the standard model Higgs boson in $ZH \rightarrow \nu\bar{\nu} b\bar{b}$ production with the D0 detector in 9.7 fb of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 121803	7.4	15
124	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> , 2008 , 101, 051801	7.4	15
123	Search for neutral Higgs bosons in multi-b-jet events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 221802	7.4	15

122	Multivariate searches for single top quark production with the D0 detector. <i>Physical Review D</i> , 2007 , 75,	4.9	15
121	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> , 2008 , 659, 500-508	4.2	15
120	A combined search for the standard model Higgs boson at $s=1.96\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 663, 26-36	4.2	15
119	Search for resonant second generation slepton production at the Fermilab Tevatron. <i>Physical Review Letters</i> , 2006 , 97, 111801	7.4	15
118	Observation of diffractively produced W and Z bosons in p p collisions at $s=1800\text{GeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 574, 169-179	4.2	15
117	Study of Zgamma events and limits on anomalous ZZgamma and Zgammagamma couplings in pp collisions at square root $s = 1.96\text{ TeV}$. <i>Physical Review Letters</i> , 2005 , 95, 051802	7.4	15
116	Measurement of the B0s lifetime in the exclusive decay channel $B_0s \rightarrow J/\psi\phi$. <i>Physical Review Letters</i> , 2005 , 94, 042001	7.4	15
115	Search for supersymmetry with gauge-mediated breaking in diphoton events at D0. <i>Physical Review Letters</i> , 2005 , 94, 041801	7.4	15
114	Measurement of the differential cross sections for isolated direct photon pair production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 6-14	4.2	14
113	Precision measurement of the top-quark mass in lepton+jets final states. <i>Physical Review D</i> , 2015 , 91,	4.9	14
112	Measurement of associated production of z bosons with charm quark jets in pp collisions at $\sqrt{s}=1.96\text{ TeV}$. <i>Physical Review Letters</i> , 2014 , 112, 042001	7.4	14
111	Measurement of the W boson production charge asymmetry in $pp \rightarrow W+X \rightarrow e\mu X$ events at $\sqrt{s}=1.96\text{ TeV}$. <i>Physical Review Letters</i> , 2014 , 112, 151803	7.4	14
110	Search for $ZH \rightarrow l^+ l^- b\bar{b}$ production in 4.2 fb^{-1} of pp collisions at $\sqrt{s}=1.96\text{ TeV}$. <i>Physical Review Letters</i> , 2010 , 105, 251801	7.4	14
109	Search for first generation leptoquark pair production in the electron + missing energy + jets final state. <i>Physical Review D</i> , 2011 , 84,	4.9	14
108	Search for the standard model Higgs boson in tau final states. <i>Physical Review Letters</i> , 2009 , 102, 251801	7.4	14
107	Measurement of color flow in $t\bar{t}$ events from pp collisions at $s=1.96\text{ TeV}$. <i>Physical Review D</i> , 2011 , 83,	4.9	14
106	Search for scalar neutrino superpartners in $e+\mu$ final states in pp collisions at $\sqrt{s}=1.96\text{ TeV}$. <i>Physical Review Letters</i> , 2008 , 100, 241803	7.4	14
105	Measurement of the top quark mass in the dilepton channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 655, 7-14	4.2	14

104	Hadronic shower development in Iron-Scintillator Tile Calorimetry. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 443, 51-70	1.2	14
103	Study of double parton interactions in diphoton+dijet events in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	13
102	Search for pair production of the scalar top quark in muon + tau final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 578-586	4.2	13
101	Search for the rare decay $B_s^0 \rightarrow \mu^+ \mu^-$ <i>Physical Review D</i> , 2013 , 87,	4.9	13
100	Measurement of the ratio of differential cross sections $(\frac{d\sigma}{dM}(\text{pp} \rightarrow Z+b \text{ jet})/(\frac{d\sigma}{dM}(\text{pp} \rightarrow Z+\text{jet}))$ in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	13
99	Measurement of three-jet differential cross sections $d\sigma_{\text{3jet}}/dM_{\text{3jet}}$ in pp collisions at s=1.96 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 434-441	4.2	13
98	Measurement of tt production in the μ jets topology using pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	13
97	Measurement of the ratio of inclusive cross sections $(\frac{d\sigma}{dM}(\text{pp} \rightarrow Z+b \text{ quark jet})/(\frac{d\sigma}{dM}(\text{pp} \rightarrow Z+\text{jet}))$ at s=1.96 TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	13
96	Search for the standard model Higgs boson in associated WH production in 9.7 fb ⁻¹ of pp collisions with the D0 detector. <i>Physical Review Letters</i> , 2012 , 109, 121804	7.4	13
95	Search for associated higgs boson production $WH \rightarrow WW^* \rightarrow \ell^+ \ell^- \nu \ell^+ \nu \ell^- X$ in pp collisions at square root s=1.96 TeV. <i>Physical Review Letters</i> , 2006 , 97, 151804	7.4	13
94	Measurement of the $\text{pp} \rightarrow \text{tt} + X$ production cross section at s=1.96 TeV in the fully hadronic decay channel. <i>Physical Review D</i> , 2007 , 76,	4.9	13
93	Ratio of jet cross sections at square root of s = 630 GeV and 1800 GeV. <i>Physical Review Letters</i> , 2001 , 86, 2523-8	7.4	13
92	Ratios of multijet Cross Sections in p p collisions at radical(s) = 1.8 TeV. <i>Physical Review Letters</i> , 2001 , 86, 1955-60	7.4	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> , 2012 , 707, 323-329	4.2	12
90	Measurement of the Effective Weak Mixing Angle in $\text{pp} \rightarrow Z/\gamma^* \rightarrow e^+ e^-$ Events. <i>Physical Review Letters</i> , 2015 , 115, 041801	7.4	12
89	Measurement of the ZZ production cross section in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	12
88	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> , 2009 , 80,	4.9	12
87	Results from a combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 387, 333-351	1.2	12

86	Search for the standard model Higgs Boson in the $pp \rightarrow ZH \rightarrow \nu\nu b\bar{b}$ channel. <i>Physical Review Letters</i> , 2006 , 97, 161803	7.4	12
85	Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at $s=1.96\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 616-622	4.2	12
84	Search for Pair Production of Light Scalar Top Quarks in pp Collisions at $s=1.8\text{ TeV}$. <i>Physical Review Letters</i> , 2004 , 93,	7.4	12
83	Search for dilepton signatures from minimal low-energy supergravity in pp collisions at $s=1.8\text{ TeV}$. <i>Physical Review D</i> , 2001 , 63,	4.9	12
82	Measurement of direct CP violation parameters in $B_{\pm} \rightarrow J/\psi K_{\pm}$ and $B_{\pm} \rightarrow J/\psi$ decays with 10.4 fb^{-1} of Tevatron data. <i>Physical Review Letters</i> , 2013 , 110, 241801	7.4	11
81	Measurement of the $t\bar{t}$ cross section using high-multiplicity jet events. <i>Physical Review D</i> , 2010 , 82,	4.9	11
80	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> , 2009 , 102, 032001	7.4	11
79	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> , 2009 , 102, 091801	7.4	11
78	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> , 2009 , 102, 051804	7.4	11
77	Search for single top quarks in the $\tau + \text{jets}$ channel using 4.8 fb^{-1} of pp collision data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 690, 5-14	4.2	11
76	$ZZ \rightarrow l+l$ production in pp collisions at $s=1.96\text{ TeV}$. <i>Physical Review D</i> , 2008 , 78,	4.9	11
75	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> , 2007 , 655, 209-216	4.2	11
74	Search for excited muons in pp collisions at $s=1.96\text{ TeV}$. <i>Physical Review D</i> , 2006 , 73,	4.9	11
73	Search for the rare decay $B_s^0 \rightarrow \mu\mu$ with the D0 detector. <i>Physical Review D</i> , 2006 , 74,	4.9	11
72	Measurement of the lifetime difference in the $B_0(s)$ system. <i>Physical Review Letters</i> , 2005 , 95, 171801	7.4	11
71	Measurement of the forward-backward asymmetry in the production of $B(\pm)$ mesons in pp collisions at $\sqrt{s}=1.96\text{ TeV}$. <i>Physical Review Letters</i> , 2015 , 114, 051803	7.4	10
70	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> , 2010 , 104, 151801	7.4	10
69	Direct measurement of the mass difference between top and antitop quarks. <i>Physical Review Letters</i> , 2009 , 103, 132001	7.4	10

68	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> , 2011 , 107, 121801	7.4	10
67	Response of the ATLAS Tile calorimeter prototype to muons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 388, 64-78	1.2	10
66	Search for techniparticles in e+jets events at D0. <i>Physical Review Letters</i> , 2007 , 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> , 2005 , 95, 141802	7.4	10
64	Search for scalar leptoquarks in the acoplanar jet topology in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 640, 230-237	4.2	10
63	Search for 3- and 4-body decays of the scalar top quark in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 581, 147-155	4.2	10
62	Measurement of the inclusive $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV and determination of the top quark pole mass. <i>Physical Review D</i> , 2016 , 94,	4.9	9
61	Measurement of the combined rapidity and . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 212-219	4.2	9
60	Search for the standard model Higgs boson in tau lepton final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 237-245	4.2	9
59	Measurement of the differential cross section of photon plus jet production in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	9
58	Measurement of the ZZ production cross section and search for the standard model Higgs boson in the four lepton final state in pp collisions. <i>Physical Review D</i> , 2013 , 88,	4.9	9
57	Direct measurement of the W boson width. <i>Physical Review Letters</i> , 2009 , 103, 231802	7.4	9
56	Search for associated Higgs boson production using like charge dilepton events in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	9
55	Study of the decay $B_s^0 \rightarrow J/\psi(1525) + K^0$ final states. <i>Physical Review D</i> , 2012 , 86,	4.9	9
54	Search for new physics using QUAERO: a general interface to D0 event data. <i>Physical Review Letters</i> , 2001 , 87, 231801	7.4	9
53	Limits on quark compositeness from high energy jets in pp collisions at 1.8 TeV. <i>Physical Review D</i> , 2000 , 62,	4.9	9
52	Search for the standard model Higgs boson in jets final states in 9.7 fb of pp collisions with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4.9	8
51	Search for new fermions ("quirks") at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , 2010 , 105, 211803	7.4	8

50	Search for the standard model Higgs boson in the $H \rightarrow WW \rightarrow l\bar{l}lq$ decay channel. <i>Physical Review Letters</i> , 2011 , 106, 171802	7.4	8
49	Study of the decay $B_s(0) \rightarrow D_s(*)D_s(*)$. <i>Physical Review Letters</i> , 2007 , 99, 241801	7.4	8
48	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> , 2006 , 74,	4.9	8
47	Limits on anomalous trilinear gauge couplings from $WW \rightarrow e^+e^-$ and $WW \rightarrow \mu\mu$ events from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2006 , 74,	4.9	8
46	Search for R-parity violation in multilepton final states in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2000 , 62,	4.9	8
45	Measurement of the top quark mass using the matrix element technique in dilepton final states. <i>Physical Review D</i> , 2016 , 94,	4.9	8
44	Measurement of the θ^* distribution of muon pairs with masses between 30 and 500 GeV in 10.4 fb ⁻¹ of pp collisions. <i>Physical Review D</i> , 2015 , 91,	4.9	7
43	Measurement of the ratio of three-jet to two-jet cross sections in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 6-12	4.2	7
42	Search for a Higgs boson in diphoton final states with the D0 detector in 9.6 fb ⁻¹ of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	7
41	Search for charged massive long-lived particles at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	7
40	High mass exclusive diffractive dijet production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 193-199	4.2	7
39	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> , 2009 , 680, 24-33	4.2	7
38	Search for Z events with large missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	7
37	Search for single production of scalar leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 647, 74-81	4.2	7
36	Search for Violation of CPT and Lorentz Invariance in $B_s(0)$ Meson Oscillations. <i>Physical Review Letters</i> , 2015 , 115, 161601	7.4	6
35	Measurement of the differential $\mu\mu$ 2b-jet cross section and the ratio $(\mu\mu$ 2b-jets)/ $(\mu\mu$ b-jet) in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 737, 357-365	4.2	6
34	Search for Higgs boson production in oppositely charged dilepton and missing energy final states in 9.7 fb ⁻¹ of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	6
33	Search for WH associated production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	6

32	Measurement of the ratio of differential cross sections for W and Z boson production as a function of transverse momentum in pp collisions at $s=1.8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 299-308	4.2	6
31	Precise measurement of the top quark mass in dilepton decays using optimized neutrino weighting. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 752, 18-26	4.2	6
30	Measurement of the B(s)0 lifetime in the flavor-specific decay channel B(s)0 \rightarrow D(s)(-)(+)X. <i>Physical Review Letters</i> , 2015 , 114, 062001	7.4	5
29	Measurement of the electric charge of the top quark in tt events. <i>Physical Review D</i> , 2014 , 90,	4.9	5
28	Constraints on models for the Higgs boson with exotic spin and parity in VH \rightarrow Vbb final states. <i>Physical Review Letters</i> , 2014 , 113, 161802	7.4	5
27	Model independent search for new phenomena in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	5
26	Search for the Higgs boson in lepton, tau, and jets final states. <i>Physical Review D</i> , 2013 , 88,	4.9	5
25	Search for ZH \rightarrow bb production in 9.7 fb of pp collisions with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4.9	5
24	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> , 2009 , 609, 250-262	1.2	5
23	Search for universal extra dimensions in pp collisions. <i>Physical Review Letters</i> , 2012 , 108, 131802	7.4	5
22	Search for anomalous heavy-flavor quark production in association with W bosons. <i>Physical Review Letters</i> , 2005 , 94, 152002	7.4	5
21	Bs0 lifetime measurement in the CP-odd decay channel Bs0 \rightarrow J/ ψ 0(980). <i>Physical Review D</i> , 2016 , 94,	4.9	5
20	Measurement of the W+b-jet and W+c-jet differential production cross sections in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 6-14	4.2	4
19	Measurement of the direct CP-violating parameter ACP in the decay D \rightarrow K. <i>Physical Review D</i> , 2014 , 90,	4.9	4
18	Search for Higgs boson production in trilepton and like-charge electron-muon final states with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4.9	4
17	Relative rates of B meson decays into ψ (2S) and J/ ψ mesons. <i>Physical Review D</i> , 2009 , 79,	4.9	4
16	A measurement of the energy loss spectrum of 150 GeV muons in iron. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997 , 73, 455-463		4
15	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> , 2006 , 641, 415-422	4.2	4

14	Measurement of top quark polarization in $t\bar{t}\ell$ final states. <i>Physical Review D</i> , 2017 , 95,	4.9	3
13	Tevatron constraints on models of the Higgs boson with exotic spin and parity using decays to bottom-antibottom quark pairs. <i>Physical Review Letters</i> , 2015 , 114, 151802	7.4	3
12	Measurement of the forward-backward asymmetry in Λ_b^0 and $\bar{\Lambda}_b^0$ baryon production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	3
11	Measurement of the direct CP-violating charge asymmetry in $D_s \rightarrow \ell \bar{\nu}_\ell$ decays. <i>Physical Review Letters</i> , 2014 , 112, 111804	7.4	3
10	Search for Higgs boson production in oppositely charged dilepton and missing energy events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	3
9	Evaluation of Fermi read-out of the ATLAS Tilecal prototype. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 403, 98-114	1.2	3
8	Measurement of spin correlation between top and antitop quarks produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 199-206	4.2	3
7	Measurement of the ratio of inclusive cross sections $(\sigma(pp \rightarrow Z+2b \text{ jets})/(\sigma(pp \rightarrow Z+2 \text{ jets}))$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	2
6	Experimental tests of neutron shielding for the ATLAS forward region. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 420, 249-258	1.2	2
5	Measurement of the direct CP violating charge asymmetry in $B^0 \rightarrow \ell \bar{\nu}_\ell$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	1
4	Measurement of the forward-backward asymmetry of Λ and $\bar{\Lambda}$ production in pp collisions. <i>Physical Review D</i> , 2016 , 93,	4.9	1
3	Measurement of the forward-backward asymmetries in the production of Λ and $\bar{\Lambda}$ baryons in pp collisions. <i>Physical Review D</i> , 2016 , 93,	4.9	1
2	Combination of D^0 measurements of the top quark mass. <i>Physical Review D</i> , 2017 , 95,	4.9	1
1	Search for the standard model Higgs boson in the missing energy and acoplanar b-jet topology at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 251802	7.4	1