

Karel Soustruznik

List of Publications by Year in Descending Order

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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	Measurement of top quark polarization in $t\bar{t}\ell\ell$ final states. <i>Physical Review D</i> , 2017 , 95,	4.9	3
390	Measurement of the direct CP violating charge asymmetry in $B\bar{B} \rightarrow D\bar{D}0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	1
389	Combination of $D0$ measurements of the top quark mass. <i>Physical Review D</i> , 2017 , 95,	4.9	1
388	Measurement of the Neutrino Mixing Angle θ_{23} in NOvA. <i>Physical Review Letters</i> , 2017 , 118, 151802	7.4	64
387	Constraints on Oscillation Parameters from ν_e Appearance and ν_μ Disappearance in NOvA. <i>Physical Review Letters</i> , 2017 , 118, 231801	7.4	87
386	Measurement of the forward-backward asymmetry of b and \bar{b} production in pp collisions. <i>Physical Review D</i> , 2016 , 93,	4.9	1
385	First measurement of muon-neutrino disappearance in NOvA. <i>Physical Review D</i> , 2016 , 93,	4.9	61
384	Measurement of the forward-backward asymmetries in the production of b and \bar{b} baryons in pp collisions. <i>Physical Review D</i> , 2016 , 93,	4.9	1
383	Evidence for Simultaneous Production of J/ψ and η Mesons. <i>Physical Review Letters</i> , 2016 , 116, 082002	7.4	31
382	First Measurement of Electron Neutrino Appearance in NOvA. <i>Physical Review Letters</i> , 2016 , 116, 151806	7.4	122
381	Evidence for a $B_{s^*}^0$ State. <i>Physical Review Letters</i> , 2016 , 117, 022003	7.4	110
380	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
379	Measurement of the inclusive $t\bar{t}$ production cross section in pp collisions at $s=1.96$ TeV and determination of the top quark pole mass. <i>Physical Review D</i> , 2016 , 94,	4.9	9
378	Measurement of spin correlation between top and antitop quarks produced in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 199-206	4.2	3
377	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
376	B_s^0 lifetime measurement in the CP-odd decay channel $B_s^0 \rightarrow J/\psi(980)$. <i>Physical Review D</i> , 2016 , 94,	4.9	5
375	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

374	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
373	Measurement of the $B(s)(0)$ lifetime in the flavor-specific decay channel $B(s)(0) \rightarrow D(s)(-)(+)$. <i>Physical Review Letters</i> , 2015 , 114, 062001	7.4	5
372	Measurement of the β 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
371	Measurement of the forward-backward asymmetry in the production of $B(\Xi)$ mesons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2015 , 114, 051803	7.4	10
370	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
369	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 $s=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	2
368	Measurement of the forward-backward asymmetry in Λ_b^0 and $\bar{\Lambda}_b^0$ baryon production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2015 , 91,	4.9	3
367	Precision measurement of the top-quark mass in lepton+jets final states. <i>Physical Review D</i> , 2015 , 91,	4.9	14
366	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
365	Measurement of the Effective Weak Mixing Angle in $pp \rightarrow Z/\gamma^* \rightarrow e^+e^-$ Events. <i>Physical Review Letters</i> , 2015 , 115, 041801	7.4	12
364	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
363	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
362	Inclusive Production of the X(4140) State in pp Collisions at D0. <i>Physical Review Letters</i> , 2015 , 115, 232001	7.4	32
361	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
360	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
359	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
358	Precision measurement of the top quark mass in lepton + jets final States. <i>Physical Review Letters</i> , 2014 , 113, 032002	7.4	39
357	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

356	Observation of s-channel production of single top quarks at the Tevatron. <i>Physical Review Letters</i> , 2014 , 112, 231803	7.4	40
355	Observation and studies of double J/ψ production at the Tevatron. <i>Physical Review D</i> , 2014 , 90,	4.9	45
354	Measurement of the direct CP-violating parameter ACP in the decay $D^{+*} \rightarrow K^0 \pi^+$. <i>Physical Review D</i> , 2014 , 90,	4.9	4
353	Measurement of differential $t\bar{t}$ production cross sections in pp collisions. <i>Physical Review D</i> , 2014 , 90,	4.9	28
352	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
351	Measurement of the electric charge of the top quark in $t\bar{t}$ events. <i>Physical Review D</i> , 2014 , 90,	4.9	5
350	Measurement of associated production of z bosons with charm quark jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 042001	7.4	14
349	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
348	Measurement of the W boson mass with the D0 detector. <i>Physical Review D</i> , 2014 , 89,	4.9	18
347	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
346	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
345	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
344	Double parton interactions in ≥ 3 jet and $\geq b/c$ jet+2 jet events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	27
343	Measurement of the W boson production charge asymmetry in $pp \rightarrow W+X \rightarrow e\bar{\nu}X$ events at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 151803	7.4	14
342	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
341	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
340	Measurement of the direct CP-violating charge asymmetry in $D_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 111804	7.4	3
339	Measurement of the differential $\geq 2b$ -jet cross section and the ratio $(\geq 2b\text{-jets})/(\geq 1b\text{-jet})$ in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 737, 357-365	4.2	6

338	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
337	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
336	Higgs boson studies at the Tevatron. <i>Physical Review D</i> , 2013 , 88,	4.9	73
335	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
334	Measurement of the $pp \rightarrow W+b+X$ production cross section at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1314-1320	4.2	18
333	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
332	Measurement of the differential μc -jet cross section and the ratio of differential μc and μb cross sections in $pp \rightarrow$ 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
331	Studies of W boson plus jets production in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	16
330	Measurement of the ratio of three-jet to two-jet cross sections in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 6-12	4.2	7
329	Search for a Higgs boson in diphoton final states with the D0 detector in 9.6 fb of $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	7
328	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
327	Measurement of the asymmetry in angular distributions of leptons produced in dilepton $tt \rightarrow$ final states in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	34
326	Search for the Higgs boson in lepton, tau, and jets final states. <i>Physical Review D</i> , 2013 , 88,	4.9	5
325	Measurement of leptonic asymmetries and top-quark polarization in $tt \rightarrow$ production. <i>Physical Review D</i> , 2013 , 87,	4.9	30
324	Measurement of the differential cross section of photon plus jet production in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	9
323	Search for anomalous quartic $WW \rightarrow$ couplings in dielectron and missing energy final states in $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	27
322	Combination of CDF and D0 W-Boson mass measurements. <i>Physical Review D</i> , 2013 , 88,	4.9	39
321	Search for Higgs boson production in oppositely charged dilepton and missing energy final states in 9.7 fb of $pp \rightarrow$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	6

320	Search for the rare decay $B_s^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	13
319	Measurement of the ratio of differential cross sections $(\sigma_{pp \rightarrow Z+b \text{ jet}}/\sigma_{pp \rightarrow Z+\text{jet}})$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	13
318	Search for $ZH \rightarrow \mu^+ \mu^- b \bar{b}$ production in 9.7 fb^{-1} of pp collisions with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4.9	5
317	Measurement of direct CP violation parameters in $B_{\mu}^- \rightarrow J/\psi \mu^-$ and $B_{\mu}^- \rightarrow J/\psi$ decays with 10.4 fb^{-1} of Tevatron data. <i>Physical Review Letters</i> , 2013 , 110, 241801	7.4	11
316	Search for the standard model Higgs boson in $b\bar{b}$ jets final states in 9.7 fb^{-1} of pp collisions with the D0 detector. <i>Physical Review D</i> , 2013 , 88,	4.9	8
315	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
314	Combined search for the Higgs boson with the D0 experiment. <i>Physical Review D</i> , 2013 , 88,	4.9	16
313	Measurement of the semileptonic charge asymmetry using $B(s)(0) \rightarrow D(s) \ell$ decays. <i>Physical Review Letters</i> , 2013 , 110, 011801	7.4	36
312	Search for charged massive long-lived particles at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	7
311	Search for Higgs bosons decaying to $b\bar{b}$ 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
310	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
309	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
308	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
307	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
306	Model independent search for new phenomena in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	5
305	$Z\bar{\nu}\nu$ production and limits on anomalous $ZZ\bar{\nu}\nu$ and $Z\bar{\nu}\nu$ couplings in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	19
304	Improved determination of the width of the top quark. <i>Physical Review D</i> , 2012 , 85,	4.9	53
303	Combination of searches for anomalous top quark couplings with 5.4 fb^{-1} of pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 165-171	4.2	23

302	Measurement of the τ lepton mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 32-39	4.2	31
301	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
300	Search for the standard model Higgs boson in the $ZH \rightarrow \tau\tau$ channel in 9.5 fb ⁻¹ of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 285-293	4.2	20
299	Measurement of angular correlations of jets at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 56-63	4.2	34
298	Limits on anomalous trilinear gauge boson couplings from WW, WZ and W τ production in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 451-459	4.2	27
297	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
296	Measurement of the W boson mass with the D0 detector. <i>Physical Review Letters</i> , 2012 , 108, 151804	7.4	67
295	Observation of a narrow mass state decaying into $\tau^+\tau^-$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	37
294	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
293	Search for Z τ 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
292	Search for WH associated production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	6
291	Combination of the top-quark mass measurements from the Tevatron collider. <i>Physical Review D</i> , 2012 , 86,	4.9	104
290	Evidence for spin correlation in $t\bar{t}$ production. <i>Physical Review Letters</i> , 2012 , 108, 032004	7.4	48
289	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
288	Search for violation of Lorentz invariance in top quark pair production and decay. <i>Physical Review Letters</i> , 2012 , 108, 261603	7.4	20
287	Search for universal extra dimensions in pp collisions. <i>Physical Review Letters</i> , 2012 , 108, 131802	7.4	5
286	Measurement of the top-quark mass in pp collisions using events with two leptons. <i>Physical Review D</i> , 2012 , 86,	4.9	18
285	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

284	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
283	Search for a narrow tt resonance in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	28
282	Search for the standard model Higgs boson in ZH→(l+l)bb production with the D0 detector in 9.7 fb(-1) of pp collisions at s = 1.96 TeV. <i>Physical Review Letters</i> , 2012 , 109, 121803	7.4	15
281	Measurement of the semileptonic charge asymmetry in B0 meson mixing with the D0 detector. <i>Physical Review D</i> , 2012 , 86,	4.9	38
280	Search for charged massive long-lived particles. <i>Physical Review Letters</i> , 2012 , 108, 121802	7.4	16
279	Measurement of the differential cross section d/dt in elastic pp scattering at s=1.96 TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	41
278	Study of the decay Bs0→J/ψ(1525) in ππ+Kπ final states. <i>Physical Review D</i> , 2012 , 86,	4.9	9
277	Search for Higgs boson production in oppositely charged dilepton and missing energy events in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	3
276	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
275	Combined search for the standard model Higgs boson decaying to bb using the D0 run II data set. <i>Physical Review Letters</i> , 2012 , 109, 121802	7.4	29
274	Search for neutral Higgs bosons in events with multiple bottom quarks at the Tevatron. <i>Physical Review D</i> , 2012 , 86,	4.9	16
273	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
272	Measurement of the CP-violating phase φ _{SJ} using the flavor-tagged decay Bs0→J/ψ in 8 fb ⁻¹ of pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	70
271	Measurement of the B0 lifetime in the exclusive decay B0→J/ψ in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	17
270	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
269	Determination of the pole and . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 422-427	4.2	52
268	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 403-410	4.2	47
267	Measurement of three-jet differential cross sections d _{Bjet} /dM _{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

266	Measurements of inclusive t production in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 200-207	4.2	20
265	High mass exclusive diffractive dijet production in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 193-199	4.2	7
264	Model-independent measurement of t-channel single top quark production in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 313-319	4.2	40
263	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
262	Measurement of the W boson helicity in top quark decays using 5.4 fb $^{-1}$ of pp collision data. <i>Physical Review D</i> , 2011 , 83,	4.9	33
261	Measurement of $\sin 2\beta_{eff}$ and Z-light quark couplings using the forward-backward charge asymmetry in $pp \rightarrow Z/\gamma \rightarrow e^+e^-$ events with $L=5.0$ fb $^{-1}$ at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	21
260	Precise measurement of the top-quark mass from lepton+jets events at D0. <i>Physical Review D</i> , 2011 , 84,	4.9	32
259	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
258	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
257	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
256	Direct measurement of the mass difference between top and antitop quarks. <i>Physical Review D</i> , 2011 , 84,	4.9	25
255	Measurement of the $WZ \rightarrow \mu\mu$ cross section and limits on anomalous triple gauge couplings in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 695, 67-73	4.2	20
254	Search for a heavy neutral gauge boson in the dielectron channel with 5.4 fb $^{-1}$ of pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 695, 88-94	4.2	52
253	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
252	Search for WH associated production in 5.3 fb $^{-1}$ 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
251	Search for neutral Higgs bosons in the multi-b-jet topology in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 97-104	4.2	29
250	Search for $W^{\pm} \rightarrow tb$ 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
249	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

248	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
247	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
246	Search for a fourth generation tLQuark in p p collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 082001	7.4	24
245	Measurement of the ratio of inclusive cross sections $\sigma(pp \rightarrow Z + b\bar{q}\text{quark jet}) / \sigma(pp \rightarrow Z + \text{jet})$ at $s = 1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	13
244	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
243	Azimuthal decorrelations and multiple parton interactions in $\#2$ jet and $\#3$ jet events in pp collisions at $s = 1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	22
242	Measurement of color flow in tt events from pp collisions at $s = 1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	14
241	Search for associated Higgs boson production using like charge dilepton events in pp collisions at $s = 1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	9
240	Measurement of the production fraction times branching fraction $f(b \rightarrow \bar{b})B(\bar{b} \rightarrow J/\psi)$ <i>Physical Review D</i> , 2011 , 84,	4.9	15
239	Forward-backward asymmetry in top quark-antiquark production. <i>Physical Review D</i> , 2011 , 84,	4.9	170
238	Precise measurement of the top quark mass in the dilepton channel at D0. <i>Physical Review Letters</i> , 2011 , 107, 082004	7.4	17
237	Determination of the width of the top quark. <i>Physical Review Letters</i> , 2011 , 106, 022001	7.4	30
236	Measurement of spin correlation in tt production using a matrix element approach. <i>Physical Review Letters</i> , 2011 , 107, 032001	7.4	31
235	Precise study of the Z/ \bar{b} boson transverse momentum distribution in pp collisions using a novel technique. <i>Physical Review Letters</i> , 2011 , 106, 122001	7.4	43
234	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
233	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
232	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
231	Search for a fermiophobic and standard model Higgs boson in diphoton final states. <i>Physical Review Letters</i> , 2011 , 107, 151801	7.4	15

230	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
229	$W\bar{\nu}$ 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
228	Search for a resonance decaying into WZ boson pairs in pp collisions. <i>Physical Review Letters</i> , 2010 , 104, 061801	7.4	16
227	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
226	Search for new fermions ("quirks") at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , 2010 , 105, 211803	7.4	8
225	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
224	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
223	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
222	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review Letters</i> , 2010 , 105, 081801	7.4	89
221	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review D</i> , 2010 , 82,	4.9	123
220	Search for the standard model higgs Boson in the $ZH \rightarrow \nu\bar{\nu}b\bar{b}$ channel in 5.2 fb ⁻¹ of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 104, 071801	7.4	15
219	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
218	Search for sneutrino production in $e\bar{\nu}$ 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
217	Search for $ZH \rightarrow l^+ l^- b\bar{b}$ production in 4.2 fb ⁻¹ of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 251801	7.4	14
216	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
215	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
214	Search for CP violation in $B_s^0 \rightarrow \mu\bar{\mu}D_s^\pm$ decays in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	26
213	Measurement of $t\bar{t}$ production in the μ jets topology using pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	13

212	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
211	Measurement of the $t\bar{t}$ cross section using high-multiplicity jet events. <i>Physical Review D</i> , 2010 , 82,	4.9	11
210	Measurement of $Z/\gamma + \text{jet} + X$ angular distributions in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 682, 370-380	4.2	27
209	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
208	Search for single top quarks in the tau + 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
207	Measurement of direct photon pair production cross sections in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 690, 108-117	4.2	33
206	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb^{-1} of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 81-87	4.2	45
205	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
204	Dependence of the $t\bar{t}$ 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
203	Measurement of the normalized . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 522-530	4.2	38
202	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
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200	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
199	Direct measurement of the mass difference between top and antitop quarks. <i>Physical Review Letters</i> , 2009 , 103, 132001	7.4	10
198	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
197	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> , 2009 , 102, 051601	7.4	28
196	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
195	Search for long-lived charged massive particles with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 161802	7.4	46

194	Direct measurement of the W boson width. <i>Physical Review Letters</i> , 2009 , 103, 231802	7.4	9
193	Measurement of trilinear gauge boson couplings from WW+WZ->l \bar{l} events in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2009 , 80,	4.9	12
192	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
191	Measurement of the lifetime of the Bc+/- meson in the semileptonic decay channel. <i>Physical Review Letters</i> , 2009 , 102, 092001	7.4	42
190	Search for resonant pair production of neutral long-lived particles decaying to bb in pp collisions at square root(S)=1.96 TeV. <i>Physical Review Letters</i> , 2009 , 103, 071801	7.4	40
189	Evidence for the decay Bs0->Ds(*)Ds(*) and a measurement of DeltaGammasCP/Gammas. <i>Physical Review Letters</i> , 2009 , 102, 091801	7.4	11
188	Measurement of the Zgamma --> nu $\bar{\nu}$ gamma production cross section and limits on anomalous ZZgamma and Zgammaagamma couplings in pp collisions at sqrt[s] = 1.96 TeV. <i>Physical Review Letters</i> , 2009 , 102, 201802	7.4	17
187	Search for associated W and Higgs Boson production in pp collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2009 , 102, 051803	7.4	18
186	Search for charged higgs bosons decaying into top and bottom quarks in pp collisions. <i>Physical Review Letters</i> , 2009 , 102, 191802	7.4	28
185	Measurement of the W boson mass. <i>Physical Review Letters</i> , 2009 , 103, 141801	7.4	35
184	Search for dark photons from supersymmetric hidden valleys. <i>Physical Review Letters</i> , 2009 , 103, 081802	7.4	25
183	Search for the standard model Higgs boson in tau final states. <i>Physical Review Letters</i> , 2009 , 102, 251801	7.4	14
182	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> , 2009 , 102, 192002	7.4	37
181	Search for resonant diphoton production with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 231801	7.4	29
180	Search for next-to-minimal supersymmetric Higgs bosons in the h --> aa --> micromicromicro, micromicrotau channels using pp collisions at sqrt[s] = 1.96 TeV. <i>Physical Review Letters</i> , 2009 , 103, 061801	7.4	52
179	Search for neutral Higgs Bosons at high tanbeta in the b(h/H/A)-->btau;+tau;- channel. <i>Physical Review Letters</i> , 2009 , 102, 051804	7.4	11
178	Observation of single top-quark production. <i>Physical Review Letters</i> , 2009 , 103, 092001	7.4	172
177	Search for anomalous top-quark couplings with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 092002	7.4	18

176	Measurement of the semileptonic branching ratio of $B_{s;0}$ to an orbitally excited $D_{s;^{**}}$ state: $\text{Br}(B_{s;0} \rightarrow D_{s1;^{-}}(2536)\mu_{;+}\nu_X)$. <i>Physical Review Letters</i> , 2009 , 102, 051801	7.4	25
175	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
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173	Measurement of $(\text{pp} \rightarrow Z+X)\text{Br}(Z \rightarrow \mu\mu)$ 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
172	Search for a scalar or vector particle decaying into $Z\nu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 671, 349-355	4.2	15
171	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
170	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
169	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
168	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
167	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 679, 177-185	4.2	28
166	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
165	Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb of data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 34-43	4.2	58
164	Search for pair production of first-generation leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 681, 224-232	4.2	20
163	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
162	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> , 2009 , 80,	4.9	43
161	Relative rates of B meson decays into $(\bar{D}S)$ and J/ψ mesons. <i>Physical Review D</i> , 2009 , 79,	4.9	4
160	Search for charged Higgs bosons in decays of top quarks. <i>Physical Review D</i> , 2009 , 80,	4.9	20
159	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

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	ZZ \rightarrow l+l production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 78,	4.9	11
155	Evidence for production of single top quarks. <i>Physical Review D</i> , 2008 , 78,	4.9	69
154	Measurement of the muon charge asymmetry from W boson decays. <i>Physical Review D</i> , 2008 , 77,	4.9	47
153	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
152	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
151	Search for third generation scalar leptoquarks decaying into t_{aub} . <i>Physical Review Letters</i> , 2008 , 101, 241802	7.4	21
150	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
149	Measurement of the forward-backward charge asymmetry and extraction of $\sin^2\theta_{\text{W}}^{\text{eff}}$ 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
148	Search for Randall-Sundrum gravitons with 1 fb(-1) of data from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 091802	7.4	20
147	Measurement of Bs0 mixing parameters from the flavor-tagged decay Bs0 \rightarrow J/psipi. <i>Physical Review Letters</i> , 2008 , 101, 241801	7.4	156
146	Observation of the Bc meson in the exclusive decay Bc \rightarrow J/psipi. <i>Physical Review Letters</i> , 2008 , 101, 012001	7.4	72
145	Measurement of the tt[over] production cross section in pp[over] collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 192004	7.4	31
144	Measurement of the forward-backward charge asymmetry in top-quark pair production. <i>Physical Review Letters</i> , 2008 , 100, 142002	7.4	183
143	Search for scalar neutrino superpartners in e+mu final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 241803	7.4	14
142	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> , 2008 , 100, 241805	7.4	30
141	Observation of the doubly strange b baryon Omegab-. <i>Physical Review Letters</i> , 2008 , 101, 232002	7.4	64

140	Measurement of the inclusive jet cross section in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 062001	7.4	148
139	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
138	Measurement of the electron charge asymmetry in pp collisions $\rightarrow W+X \rightarrow e\nu+X$ events at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 211801	7.4	48
137	Observation and properties of the orbitally excited $B_{(s2)}^{(*)}$ meson. <i>Physical Review Letters</i> , 2008 , 100, 082002	7.4	57
136	Precise measurement of the top-quark mass from lepton + jets events. <i>Physical Review Letters</i> , 2008 , 101, 182001	7.4	23
135	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
134	Measurement of the polarization of the $\psi(1S)$ and $\psi(2S)$ states in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 182004	7.4	48
133	Search for anomalous Wtb couplings in single top quark production. <i>Physical Review Letters</i> , 2008 , 101, 221801	7.4	25
132	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
131	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> , 2008 , 100, 102002	7.4	83
130	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
129	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
128	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
127	Search for W bosons decaying to an electron and a neutrino with the D0 detector. <i>Physical Review Letters</i> , 2008 , 100, 031804	7.4	39
126	Search for flavor-changing-neutral-current d meson decays. <i>Physical Review Letters</i> , 2008 , 100, 101801	7.4	17
125	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
124	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> , 2008 , 100, 131801	7.4	27
123	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

122	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
121	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
120	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
119	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
118	Search for squarks and gluinos in events with jets and missing transverse energy using 2.1 fb of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 660, 449-457	4.2	95
117	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
116	Search for scalar top quarks in the acoplanar charm jets and missing transverse energy final state in pp collisions at $s=1.96\text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 665, 1-8	4.2	49
115	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
114	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
113	Search for tt resonances in the lepton plus jets final state in pp collisions at $s=1.96\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 668, 98-104	4.2	37
112	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
111	Measurement of differential . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 669, 278-286	4.2	38
110	Measurement of the shape of the boson rapidity distribution for $pp \rightarrow Z/\gamma \rightarrow e+e+X$ events produced at s of 1.96 TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	58
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108	Measurement of the W boson helicity in top quark decays at D0. <i>Physical Review D</i> , 2007 , 75,	4.9	17
107	Measurement of the $pp \rightarrow WZ+X$ cross section at $s=1.96\text{ TeV}$ and limits on WWZ trilinear gauge couplings. <i>Physical Review D</i> , 2007 , 76,	4.9	19
106	Combined D0 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
105	Measurement of the tt production cross section in pp collisions at $s=1.96\text{ TeV}$ using kinematic characteristics of lepton+jets events. <i>Physical Review D</i> , 2007 , 76,	4.9	49

104	Search for $B_s^0 \rightarrow \mu\mu$ decays at D0. <i>Physical Review D</i> , 2007 , 76,	4.9	24
103	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
102	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
101	$Z\bar{\nu}$ 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
100	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
99	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
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97	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
96	Properties of $L=1$ $B(1)$ and $B(2)^*$ mesons. <i>Physical Review Letters</i> , 2007 , 99, 172001	7.4	47
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94	Measurement of the Λ_{b0} lifetime using semileptonic decays. <i>Physical Review Letters</i> , 2007 , 99, 182001	7.4	18
93	Search for third-generation scalar leptoquarks in pp at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 061801	7.4	21
92	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
91	Search for techniparticles in e +jets events at D0. <i>Physical Review Letters</i> , 2007 , 98, 221801	7.4	10
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89	Direct observation of the strange b baryon Ξ_{bb}^- . <i>Physical Review Letters</i> , 2007 , 99, 052001	7.4	86
88	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
87	Measurement of the charge asymmetry in semileptonic B_s^0 decays. <i>Physical Review Letters</i> , 2007 , 98, 151801	7.4	23

86	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
85	Study of the decay $B_s(0) \rightarrow D_s(*) D_s(*)$. <i>Physical Review Letters</i> , 2007 , 99, 241801	7.4	8
84	Lifetime difference and CP-violating phase in the B_s0 system. <i>Physical Review Letters</i> , 2007 , 98, 121801	7.4	50
83	Measurement of the $pp \rightarrow t\bar{t} + X$ production cross section at $s=1.96$ TeV in the fully hadronic decay channel. <i>Physical Review D</i> , 2007 , 76,	4.9	13
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81	Search for resonant second generation slepton production at the Fermilab Tevatron. <i>Physical Review Letters</i> , 2006 , 97, 111801	7.4	15
80	Direct limits on the oscillation frequency. <i>Physical Review Letters</i> , 2006 , 97, 021802	7.4	165
79	Search for associated higgs boson production $WH \rightarrow WWW^* \rightarrow l + \nu_l + \bar{l} + \nu_{\bar{l}} + X$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 151804	7.4	13
78	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
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75	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
74	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
73	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
72	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> , 2006 , 74,	4.9	42
71	Search for a heavy resonance decaying into a Z+jet final state in pp collisions at $s=1.96$ TeV using the D0 detector. <i>Physical Review D</i> , 2006 , 74,	4.9	8
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69	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

68	Search for excited muons in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	11
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66	Measurement of the $B_s(0)$ lifetime using semileptonic decays. <i>Physical Review Letters</i> , 2006 , 97, 241801	7.4	22
65	The upgraded D0 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
64	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
63	Measurement of the isolated photon cross section in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 151-158	4.2	64
62	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
61	Search for R-parity violating supersymmetry via the LLE couplings $\tilde{\kappa}_{21}$, $\tilde{\kappa}_{22}$ or $\tilde{\kappa}_{33}$ in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 441-449	4.2	19
60	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> , 2006 , 639, 616-622	4.2	12
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58	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
57	Search for . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 641, 423-431	4.2	26
56	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
55	Search for first-generation scalar leptoquarks in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	20
54	Measurement of the $pp \rightarrow W \tau X$ cross section at $s=1.96$ TeV and WW anomalous coupling limits. <i>Physical Review D</i> , 2005 , 71,	4.9	19
53	Search for right-handed W bosons in top quark decay. <i>Physical Review D</i> , 2005 , 72,	4.9	21
52	Measurement of $\sigma(pp \rightarrow Z) \text{Br}(Z \rightarrow \tau\tau)$ at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	20
51	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

50	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
49	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 626, 35-44	4.2	30
48	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 626, 45-54	4.2	28
47	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 626, 55-64	4.2	18
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44	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
43	Measurement of the lifetime difference in the $B_0(s)$ system. <i>Physical Review Letters</i> , 2005 , 95, 171801	7.4	11
42	Measurement of the WW production cross section in pp collisions at square root $\sqrt{s}=1.96\text{TeV}$. <i>Physical Review Letters</i> , 2005 , 94, 151801	7.4	27
41	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
40	Study of Zgamma events and limits on anomalous ZZgamma and Zgamma gamma couplings in pp collisions at square root $s = 1.96\text{TeV}$. <i>Physical Review Letters</i> , 2005 , 95, 051802	7.4	15
39	Measurement of the B_0 s lifetime in the exclusive decay channel $B_0 \rightarrow J/\psi \phi$. <i>Physical Review Letters</i> , 2005 , 94, 042001	7.4	15
38	Search for supersymmetry with gauge-mediated breaking in diphoton events at D0. <i>Physical Review Letters</i> , 2005 , 94, 041801	7.4	15
37	Measurement of semileptonic branching fractions of B mesons to narrow D^{**} states. <i>Physical Review Letters</i> , 2005 , 95, 171803	7.4	18
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35	Search for anomalous heavy-flavor quark production in association with W bosons. <i>Physical Review Letters</i> , 2005 , 94, 152002	7.4	5
34	Search for large extra spatial dimensions in dimuon production with the d0 detector. <i>Physical Review Letters</i> , 2005 , 95, 161602	7.4	26
33	Search for new particles in the two-jet decay channel with the D detector. <i>Physical Review D</i> , 2004 , 69,	4.9	48

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31	Search for narrow tt resonances in pp collisions at square root of $(s)=1.8$ TeV. <i>Physical Review Letters</i> , 2004 , 92, 221801	7.4	21
30	Observation and properties of the X(3872) decaying to $J/\psi\pi^{+}\pi^{-}$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 162002	7.4	408
29	Search for Pair Production of Light Scalar Top Quarks in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 2004 , 93,	7.4	12
28	Combination of CDF and D0 results on the W boson mass and width. <i>Physical Review D</i> , 2004 , 70,	4.9	41
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23	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
22	Quasi-model-independent search for new high $p(T)$ physics at D0. <i>Physical Review Letters</i> , 2001 , 86, 3712-74	7.4	24
21	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
20	Search for new physics using QUAERO: a general interface to D0 event data. <i>Physical Review Letters</i> , 2001 , 87, 231801	7.4	9
19	Search for heavy particles decaying into electron-positron pairs in pp collisions. <i>Physical Review Letters</i> , 2001 , 87, 061802	7.4	25
18	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
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16	Search for dilepton signatures from minimal low-energy supergravity in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2001 , 63,	4.9	12
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13	Search for large extra dimensions in dielectron and diphoton production. <i>Physical Review Letters</i> , 2001 , 86, 1156-61	7.4	61
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11	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
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9	Search for R-parity violation in multilepton final states in pp collisions at s=1.8 TeV. <i>Physical Review D</i> , 2000 , 62,	4.9	8
8	Limits on quark compositeness from high energy jets in p p collisions at 1.8 TeV. <i>Physical Review D</i> , 2000 , 62,	4.9	9
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