

Helio da Motta

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.

298
papers

10,610
citations

50
h-index

78
g-index

305
ext. papers

11,395
ext. citations

6
avg, IF

2.76
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 298 | Chirality and neutrinos, a student first approach. <i>Journal of Physics: Conference Series</i> , 2020 , 1558, 0120143 | 4.3 | 2 |
| 297 | High-Statistics Measurement of Neutrino Quasielasticlike Scattering at 6 GeV on a Hydrocarbon Target. <i>Physical Review Letters</i> , 2020 , 124, 121801 | 7.4 | 6 |
| 296 | Nucleon binding energy and transverse momentum imbalance in neutrino-nucleus reactions. <i>Physical Review D</i> , 2020 , 101, | 4.9 | 8 |
| 295 | Double-differential inclusive charged-current cross sections on hydrocarbon in MINERvA at $E_{\nu} \sim 3.5$ GeV. <i>Physical Review D</i> , 2020 , 101, | 4.9 | 3 |
| 294 | Tuning the genie pion production model with MINERvA data. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 7 |
| 293 | Neutron measurements from antineutrino hydrocarbon reactions. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 7 |
| 292 | Measurement of quasielastic-like neutrino scattering at $E_{\nu} \sim 3.5$ GeV on a hydrocarbon target. <i>Physical Review D</i> , 2019 , 99, | 4.9 | 25 |
| 291 | Constraint of the MINERvA medium energy neutrino flux using neutrino-electron elastic scattering. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 18 |
| 290 | Measurement of total and differential cross sections of neutrino and antineutrino coherent π^0 production on carbon. <i>Physical Review D</i> , 2018 , 97, | 4.9 | 12 |
| 289 | Measurement of the muon antineutrino double-differential cross section for quasielastic-like scattering on hydrocarbon at $E_{\nu} \sim 3.5$ GeV. <i>Physical Review D</i> , 2018 , 97, | 4.9 | 29 |
| 288 | Measurement of Final-State Correlations in Neutrino Muon-Proton Mesonless Production on Hydrocarbon at $E_{\nu} \sim 3$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 022504 | 7.4 | 26 |
| 287 | Antineutrino Charged-Current Reactions on Hydrocarbon with Low Momentum Transfer. <i>Physical Review Letters</i> , 2018 , 120, 221805 | 7.4 | 13 |
| 286 | ARAPUCA light trap for large liquid argon time projection chambers. <i>Journal of Physics: Conference Series</i> , 2018 , 1143, 012003 | 0.3 | |
| 285 | Reducing model bias in a deep learning classifier using domain adversarial neural networks in the MINERvA experiment. <i>Journal of Instrumentation</i> , 2018 , 13, P11020-P11020 | 1 | 10 |
| 284 | Measurement of charged-current single π^0 production on hydrocarbon in the few-GeV region using MINERvA. <i>Physical Review D</i> , 2017 , 96, | 4.9 | 19 |
| 283 | Measurement of Neutral-Current K^+ Production by Neutrinos using MINERvA. <i>Physical Review Letters</i> , 2017 , 119, 011802 | 7.4 | 5 |
| 282 | Measurement of the antineutrino to neutrino charged-current interaction cross section ratio in MINERvA. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 12 |

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| 281 | Evidence of Coherent K^+ Meson Production in Neutrino-Nucleus Scattering. <i>Physical Review Letters</i> , 2016 , 117, 061802 | 7.4 | 4 |
| 280 | Results of the engineering run of the Coherent Neutrino Nucleus Interaction Experiment (CONNIE). <i>Journal of Instrumentation</i> , 2016 , 11, P07024-P07024 | 1 | 43 |
| 279 | Evidence for Neutral-Current Diffractive π^0 Production from Hydrogen in Neutrino Interactions on Hydrocarbon. <i>Physical Review Letters</i> , 2016 , 117, 111801 | 7.4 | 13 |
| 278 | Measurement of partonic nuclear effects in deep-inelastic neutrino scattering using MINERvA. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 22 |
| 277 | Measurement of K^+ production in charged-current π interactions. <i>Physical Review D</i> , 2016 , 94, | 4.9 | 12 |
| 276 | Measurement of neutrino flux from neutrino-electron elastic scattering. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 36 |
| 275 | Measurement of Electron Neutrino Quasielastic and Quasielasticlike Scattering on Hydrocarbon at $\langle E_\nu \rangle = 3.6$ GeV. <i>Physical Review Letters</i> , 2016 , 116, 081802 | 7.4 | 27 |
| 274 | The CONNIE experiment. <i>Journal of Physics: Conference Series</i> , 2016 , 761, 012057 | 0.3 | 38 |
| 273 | Measurements of the inclusive neutrino and antineutrino charged current cross sections in MINERvA using the low-flux method. <i>Physical Review D</i> , 2016 , 94, | 4.9 | 18 |
| 272 | Cross sections for π and π -induced pion production on hydrocarbon in the few-GeV region using MINERvA. <i>Physical Review D</i> , 2016 , 94, | 4.9 | 39 |
| 271 | MINERvA neutrino detector response measured with test beam data. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015 , 789, 28-42 | 1.2 | 23 |
| 270 | Single neutral pion production by charged-current π interactions on hydrocarbon at $\langle E_\nu \rangle = 3.6$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 749, 130-136 | 4.2 | 29 |
| 269 | Measurement of muon plus proton final states in π interactions on hydrocarbon at $\langle E_\nu \rangle = 4.2$ GeV. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 41 |
| 268 | Charged pion production in π interactions on hydrocarbon at $\langle E_\nu \rangle = 4.0$ GeV. <i>Physical Review D</i> , 2015 , 92, | 4.9 | 51 |
| 267 | Design, calibration, and performance of the MINERvA detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 743, 130-159 | 1.2 | 105 |
| 266 | Measurement of ratios of π -charged-current cross sections on C, Fe, and Pb to CH at neutrino energies 2-20 GeV. <i>Physical Review Letters</i> , 2014 , 112, 231801 | 7.4 | 33 |
| 265 | Measurement of coherent production of (π) in neutrino and antineutrino beams on carbon from E_ν 1.5 to 20 GeV. <i>Physical Review Letters</i> , 2014 , 113, 261802 | 7.4 | 49 |
| 264 | Measurement of muon antineutrino quasielastic scattering on a hydrocarbon target at $E_\nu \approx 3.5$ GeV. <i>Physical Review Letters</i> , 2013 , 111, 022501 | 7.4 | 119 |

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| 263 | Measurement of muon neutrino quasielastic scattering on a hydrocarbon target at $\sqrt{s} = 3.5$ GeV. <i>Physical Review Letters</i> , 2013 , 111, 022502 | 7.4 | 139 |
| 262 | The MINERvA data acquisition system and infrastructure. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012 , 694, 179-192 | 1.2 | 15 |
| 261 | 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 |
| 260 | DEMONSTRATION OF COMMUNICATION USING NEUTRINOS. <i>Modern Physics Letters A</i> , 2012 , 27, 12500773 | 7.3 | 26 |
| 259 | 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 |
| 258 | 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 |
| 257 | Search for long-lived charged massive particles with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 161802 | 7.4 | 46 |
| 256 | Measurement of the lifetime of the B_c^{\pm} meson in the semileptonic decay channel. <i>Physical Review Letters</i> , 2009 , 102, 092001 | 7.4 | 42 |
| 255 | 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 |
| 254 | 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 |
| 253 | 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 |
| 252 | 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 |
| 251 | Search for resonant diphoton production with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 2318014 | 7.4 | 29 |
| 250 | 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 |
| 249 | Search for anomalous top-quark couplings with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 092002 | 7.4 | 18 |
| 248 | 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 |
| 247 | Evidence of WW and WZ production with lepton + jets final states in pp collisions at square root $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 161801 | 7.4 | 15 |
| 246 | Measurement of $(pp \rightarrow Z+X)Br(Z \rightarrow \mu\mu)$ at $\sqrt{s} = 1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 670, 292-299 | 4.2 | 24 |

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| 245 | Search for a scalar or vector particle decaying into $Z\eta$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 671, 349-355 | 4.2 | 15 |
| 244 | 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 |
| 243 | Search for admixture of scalar top quarks in the η . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 674, 4-10 | 4.2 | 15 |
| 242 | Search for the lightest scalar top quark in events with two leptons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 675, 289-296 | 4.2 | 22 |
| 241 | Measurement of the η . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 679, 177-185 | 4.2 | 28 |
| 240 | 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 |
| 239 | Relative rates of B meson decays into $\eta(2S)$ and J/ψ mesons. <i>Physical Review D</i> , 2009 , 79, | 4.9 | 4 |
| 238 | Search for excited electrons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77, | 4.9 | 18 |
| 237 | Evidence for production of single top quarks. <i>Physical Review D</i> , 2008 , 78, | 4.9 | 69 |
| 236 | Measurement of the muon charge asymmetry from W boson decays. <i>Physical Review D</i> , 2008 , 77, | 4.9 | 47 |
| 235 | 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 |
| 234 | 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 |
| 233 | Search for third generation scalar leptoquarks decaying into τa_{ub} . <i>Physical Review Letters</i> , 2008 , 101, 241802 | 7.4 | 21 |
| 232 | 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 |
| 231 | 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 |
| 230 | Measurement of B_{s0} mixing parameters from the flavor-tagged decay $B_{s0} \rightarrow J/\psi \pi^0$. <i>Physical Review Letters</i> , 2008 , 101, 241801 | 7.4 | 156 |
| 229 | Observation of the B_c meson in the exclusive decay $B_c \rightarrow J/\psi \pi^0$. <i>Physical Review Letters</i> , 2008 , 101, 012004 | 7.4 | 72 |
| 228 | 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 |

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| 227 | Measurement of the forward-backward charge asymmetry in top-quark pair production. <i>Physical Review Letters</i> , 2008 , 100, 142002 | 7.4 | 183 |
| 226 | 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 |
| 225 | 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 |
| 224 | Observation of the doubly strange b baryon Ω_{cb}^- . <i>Physical Review Letters</i> , 2008 , 101, 232002 | 7.4 | 64 |
| 223 | 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 |
| 222 | 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 |
| 221 | Measurement of the electron charge asymmetry in $pp\rightarrow W+X\rightarrow e\nu+X$ events at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 211801 | 7.4 | 48 |
| 220 | Observation and properties of the orbitally excited $B_{(s2)}^*$ meson. <i>Physical Review Letters</i> , 2008 , 100, 082002 | 7.4 | 57 |
| 219 | 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 |
| 218 | 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 |
| 217 | 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 |
| 216 | 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 |
| 215 | 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 |
| 214 | 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 |
| 213 | 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 |
| 212 | Search for flavor-changing-neutral-current d meson decays. <i>Physical Review Letters</i> , 2008 , 100, 101801 | 7.4 | 17 |
| 211 | 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 |
| 210 | 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 |

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| 209 | 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 |
| 208 | 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 |
| 207 | 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 |
| 206 | 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 |
| 205 | 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 |
| 204 | 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 |
| 203 | A combined search for the standard model Higgs boson at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 663, 26-36 | 4.2 | 15 |
| 202 | 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 |
| 201 | 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 |
| 200 | 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 |
| 199 | Search for tt resonances in the lepton plus jets final state in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 668, 98-104 | 4.2 | 37 |
| 198 | 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 |
| 197 | Measurement of differential . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 669, 278-286 | 4.2 | 38 |
| 196 | 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 |
| 195 | Multivariate searches for single top quark production with the D0 detector. <i>Physical Review D</i> , 2007 , 75, | 4.9 | 15 |
| 194 | Measurement of the W boson helicity in top quark decays at D0. <i>Physical Review D</i> , 2007 , 75, | 4.9 | 17 |
| 193 | Measurement of the $pp \rightarrow WZ+X$ cross section at $s=1.96$ TeV and limits on WWZ trilinear gauge couplings. <i>Physical Review D</i> , 2007 , 76, | 4.9 | 19 |
| 192 | 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 |

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| 191 | Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using kinematic characteristics of lepton+jets events. <i>Physical Review D</i> , 2007 , 76, | 4.9 | 49 |
| 190 | Search for $B_s^0 \rightarrow \mu\mu$ decays at D0. <i>Physical Review D</i> , 2007 , 76, | 4.9 | 24 |
| 189 | Search for the pair production of scalar top quarks in the acoplanar charm jet final state in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 645, 119-127 | 4.2 | 22 |
| 188 | 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 |
| 187 | $Z\bar{Z}$ production and limits on anomalous $ZZ\bar{Z}$ and $Z\bar{Z}\gamma$ couplings in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 653, 378-386 | 4.2 | 23 |
| 186 | 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 |
| 185 | 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 |
| 184 | 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 |
| 183 | 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 |
| 182 | Properties of $L=1$ $B(1)$ and $B(2)^*$ mesons. <i>Physical Review Letters</i> , 2007 , 99, 172001 | 7.4 | 47 |
| 181 | Search for production of single top quarks via $t\bar{c}g$ and $t\bar{u}g$ flavor-changing-neutral-current couplings. <i>Physical Review Letters</i> , 2007 , 99, 191802 | 7.4 | 43 |
| 180 | Measurement of the Λ_{cb}^0 lifetime using semileptonic decays. <i>Physical Review Letters</i> , 2007 , 99, 182001 | 7.4 | 18 |
| 179 | Search for third-generation scalar leptoquarks in pp at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 061801 | 7.4 | 21 |
| 178 | Measurement of the Λ_{cb} lifetime in the exclusive decay $\Lambda_{cb} \rightarrow J/\psi \Lambda_{cb}$. <i>Physical Review Letters</i> , 2007 , 99, 142001 | 7.4 | 21 |
| 177 | Search for techniparticles in e^+j ets events at D0. <i>Physical Review Letters</i> , 2007 , 98, 221801 | 7.4 | 10 |
| 176 | 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 |
| 175 | Direct observation of the strange b baryon Ξ_{cb}^- . <i>Physical Review Letters</i> , 2007 , 99, 052001 | 7.4 | 86 |
| 174 | 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 |

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| 173 | Measurement of the charge asymmetry in semileptonic B_s^0 decays. <i>Physical Review Letters</i> , 2007 , 98, 151801 | 7.4 | 23 |
| 172 | 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 |
| 171 | Study of the decay $B_s(0) \rightarrow D_s(^*)D_s(^*)$. <i>Physical Review Letters</i> , 2007 , 99, 241801 | 7.4 | 8 |
| 170 | Lifetime difference and CP-violating phase in the B_s^0 system. <i>Physical Review Letters</i> , 2007 , 98, 121801 | 7.4 | 50 |
| 169 | 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 |
| 168 | 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 |
| 167 | Search for resonant second generation slepton production at the Fermilab Tevatron. <i>Physical Review Letters</i> , 2006 , 97, 111801 | 7.4 | 15 |
| 166 | Direct limits on the oscillation frequency. <i>Physical Review Letters</i> , 2006 , 97, 021802 | 7.4 | 165 |
| 165 | Search for associated higgs boson production $WH \rightarrow WWW^* \rightarrow l^+ \nu_l l^- \bar{\nu}_l + X$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 151804 | 7.4 | 13 |
| 164 | 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 |
| 163 | Measurement of B_d mixing using opposite-side flavor tagging. <i>Physical Review D</i> , 2006 , 74, | 4.9 | 27 |
| 162 | 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 |
| 161 | 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 |
| 160 | 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 |
| 159 | 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 |
| 158 | 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 |
| 157 | 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 |
| 156 | Limits on anomalous trilinear gauge couplings from $WW \rightarrow e^+e^- WW \rightarrow e^+e^-$, and $WW \rightarrow \mu\mu$ events from pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 74, | 4.9 | 8 |

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| 6 | Azimuthal Decorrelation of Jets Widely Separated in Rapidity. <i>Physical Review Letters</i> , 1996 , 77, 595-600 | 7.4 | 30 |
| 5 | Feynman- x and Transverse Momentum Dependence of D Meson Production in 250 GeV π , K , and p Interactions with Nuclei. <i>Physical Review Letters</i> , 1996 , 77, 2392-2395 | 7.4 | 45 |
| 4 | Enhanced Leading Production of D^{\pm} and $D^{*\pm}$ in 250 GeV \bar{p} -Nucleon Interactions. <i>Physical Review Letters</i> , 1994 , 72, 1946-1946 | 7.4 | 7 |
| 3 | Enhanced leading production of $D^+/-$ and $D^{*+}/-$ in 250 GeV $\pi^+/-$ -nucleon interactions. <i>Physical Review Letters</i> , 1994 , 72, 812-815 | 7.4 | 58 |
| 2 | $D^{*+}/-$ production in 250 GeV $\pi^+/-$ -N interactions. <i>Physical Review D</i> , 1994 , 49, R4317-R4320 | 4.9 | 7 |
| 1 | Feynman- x and transverse-momentum dependence of $D^+/-$ and D^0 , D^0 production in 250 GeV $\pi^+/-$ -nucleon interactions. <i>Physical Review Letters</i> , 1992 , 69, 3147-3150 | 7.4 | 33 |