

Omega Group Publications from FY2007 to May, 2008

1. Search for $t\bar{t}$ resonances in the lepton plus jets final state in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Apr. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.3664v1.pdf .
2. Measurement of the forward-backward charge asymmetry and extraction of $\sin^2 \theta_w^{eff}$ in $p\bar{p} \rightarrow Z/\gamma^* + X \rightarrow e^+e^- + X$ events produced at $\sqrt{s} = 1.96$ TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Apr. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.3220v1.pdf .
3. Measurement of the polarization of the Y(1S) and Y(2S) states in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Apr. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.2799v1.pdf .
4. Measurement of the differential cross-section for the production of an isolated photon with associated jet in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Apr. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.1107v1.pdf .
5. Search for W' boson resonances decaying to a top quark and a bottom quark. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Apr. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.3256v1.pdf .
6. Measurement of the $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ branching ratio. By E949 Collaboration. G. Redlinger *et al.* (Mar. 2008).
<http://scitation.aip.org/getpdf/servlet/GetPDFServlet?filetype=pdf&id=PRVDAQ000077000005052003000001&idtype=cvips&prog=normal> .
7. Evidence for production of single top quarks. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Mar. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.0739v1.pdf .
8. Search for Lorentz and CPT violation effects in muon spin precession. By g-2 Collaboration, W. Morse, Y. Semertzidis *et al.* (Mar. 2008).
<http://scitation.aip.org/getpdf/servlet/GetPDFServlet?filetype=pdf&id=PRLTAO000100000009091602000001&idtype=cvips&prog=normal> .
9. Design and implementation of the Front End Board for the readout of the ATLAS liquid argon calorimeters. By ATLAS Collaboration, H. Chen, F. Lanni, D. Lissauer, H. Ma, and H. Takai *et al.* (Mar. 2008).

http://www.iop.org/EJ/article/1748-0221/3/03/P03004/jinst8_03_p03004.pdf?request-id=fcf4afd8-05d6-4689-a6fb-3876722c166f .

10. Search for pair production of doubly-charged Higgs bosons in the $H^{++}H^{--} \rightarrow \mu^+\mu^+\mu^-\mu^-$ final state at D0. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Mar. 2008). http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.1534v1.pdf .
11. Search for $h_f \rightarrow \gamma\gamma$ with the D0 detector at $\sqrt{s} = 1.96$ TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Mar. 2008). http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.1514v1.pdf .
12. Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Mar. 2008). http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.2779v1.pdf .
13. Search for scalar top quarks in the acoplanar charm jets and missing transverse energy final state in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Mar. 2008). http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.2263v1.pdf .
14. Measurement of the ratio of the $p\bar{p} \rightarrow W + c$ -jet cross section to the inclusive $p\bar{p} \rightarrow W + \text{jets}$ cross section. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Mar. 2008). http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.2259v1.pdf .
15. Search for large extra dimensions in the mono-photon final state at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Mar. 2008). http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.2137v1.pdf .
16. First study of the radiation-amplitude zero in $W\gamma$ production and limits on anomalous $WW\gamma$ couplings at $\sqrt{s} = 1.96$ TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Mar. 2008). http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.0030v1.pdf .
17. Study of direct CP violation in $B^\pm \rightarrow J/\psi K^\pm(\pi^\pm)$ decays. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa and S. Protopopescu, S. Snyder *et al.* (Feb. 2008). http://arxiv.org/PS_cache/arxiv/pdf/0802/0802.3299v1.pdf .
18. Measurement of the inclusive jet cross-section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa and S. Protopopescu, S.

- Snyder *et al.* (Feb. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0802/0802.2400v1.pdf .
19. Measurement of the B_c meson mass in the exclusive decay $B_c \rightarrow J/\psi\pi$. M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu and S. Snyder *et al.* (Feb. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0802/0802.4258v1.pdf .
 20. Measurement of B_s^0 mixing parameters from the flavor-tagged decay $B_s^0 \rightarrow J/\psi\phi$. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa and S. Protopopescu, S. Snyder *et al.* (Feb. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0802/0802.2255v1.pdf .
 21. Flavour physics of leptons and dipole moments. Semertzidis, Y. *et al.* (Jan. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0801/0801.1826v1.pdf .
 22. Simultaneous measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ and the top quark pair production cross section with the D0 detector at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration. M. Begel, A. Evdokimov, A. Patwa and S. Protopopescu, S. Snyder *et al.* (Jan. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0801/0801.1326v1.pdf .
 23. Search for excited electrons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. By M. Begel, A. Evdokimov, a. Patwa, S. Protopopescu, S. Snyder *et al.* (Jan. 2008).
http://arxiv.org/PS_cache/arxiv/pdf/0801/0801.0877v1.pdf .
 24. Magnetic and Electric Dipole Moments in Storage Rings. Semertzidis, Y. (Dec. 2007).
<http://www.springerlink.com/content/0k68v175501q086u/> .
 25. Search for squarks and gluinos in events with jets and missing transverse energy using 2.1fb^{-1} of $p\bar{p}$ at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, and S. Snyder *et al.* (Dec. 2007).
http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.3805v2.pdf .
 26. Measurement of the B_s^0 semileptonic branching ratio to an orbitally excited D_s^{**} state, $Br(B_s^0 \rightarrow D_{s1}^-(2536)\mu^+\nu_X)$. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Dec. 2007).
http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.3789v1.pdf .
 27. First measurement of the forward-backward charge asymmetry in top quark pair production. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Dec. 2007).
http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.0851v1.pdf .

28. Measurement of the shape of the boson transverse momentum distribution in $p\bar{p} \rightarrow Z/\gamma^* \rightarrow e^+e^- + X$ events produced at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Dec. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.0803v1.pdf .
29. Search for ZZ and $Z\gamma^*$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV and limits on anomalous ZZZ and $ZZ\gamma^*$ couplings. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Dec. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.0599v1.pdf .
30. A Combined search for the standard model Higgs boson at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Dec. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.0598v1.pdf .
31. Model-independent measurement of the W boson helicity in top quark decays at D0. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Nov. 2007). <http://scitation.aip.org/getpdf/servlet/GetPDFServlet?filetype=pdf&id=PRLTAO000100000006062004000001&idtype=cvips&prog=normal> .
32. Search for sneutrino particles in $e^+\mu$ final states in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Nov. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0711/0711.3207v2.pdf .
33. Observation and properties of the orbitally excited $B_{s_2}^*$ meson. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Nov. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0711/0711.0319v1.pdf .
34. 14 mrad extraction line Optics for push-pull. W. Morse *et al.* (Oct. 2007) <http://www.slac.stanford.edu/cgi-wrap/getdoc/slac-pub-12856.pdf> .
35. Search for supersymmetry in di-photon final states at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Oct. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0710/0710.3946v1.pdf .
36. Search for Randall-Sundrum gravitons with 1 fb^{-1} of data from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Oct. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0710/0710.3338v1.pdf .

37. Search for W' bosons decaying to an electron and a neutrino with the D0 detector. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Oct. 2007).
http://arxiv.org/PS_cache/arxiv/pdf/0710/0710.2966v1.pdf .
38. The ATLAS data acquisition and trigger: concept, design and status. By ATLAS Collaboration, D. Damazio and T. Maeno *et al.* (Oct. 2007).
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TVD-4PYS2WC-1V&user=2422869&rdoc=1&fmt=&orig=search&sort=d&view=c&acct=C00057228&version=1&urlVersion=0&userid=2422869&md5=638236ba52d7fbb1e8e64f4f0073aa40 .
39. Letter of intent: a muon to electron conversion experiment at Fermilab. By Mu2e Collaboration, Y. Semertzidis *et al.* (Sep. 2007). <http://lss.fnal.gov/archive/test-tm/2000/fermilab-tm-2396-ad-e-td.pdf> .
40. Measurement of the $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ Branching Ratio. By E949 Collaboration, G. Redlinger *et al.* (Sep. 2007).
http://arxiv.org/PS_cache/arxiv/pdf/0709/0709.1000v2.pdf .
41. Statistical equations and methods applied to the precision muon (g-2) experiment at BNL. By g-2 Collaboration, W. Morse, Y. Semertzidis *et al.* (Sep. 2007).
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TJM-4P29K65-2&user=2422869&rdoc=1&fmt=&orig=search&sort=d&view=c&acct=C00057228&version=1&urlVersion=0&userid=2422869&md5=d422f131ac43dab1d5e9b0f8f5955b42 .
42. Development of large area integrated silicon tracking elements for the LHC luminosity upgrade. By D. Lissauer, D. Lynn and Y. Semertzidis *et al.* (Sep. 2007). http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TJM-4NVT9NT-4&user=2422869&rdoc=1&fmt=&orig=search&sort=d&view=c&acct=C00057228&version=1&urlVersion=0&userid=2422869&md5=b45ec81943f2726614ee03acb43d341d .
43. Response uniformity of the ATLAS liquid argon electromagnetic calorimeter. By ATLAS Collaboration, F. Lanni, H. Ma, S. Rajagopalan and H. Takai *et al.* (Sep. 2007).
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TJM-4PGGNY6-1&user=2422869&rdoc=1&fmt=&orig=search&sort=d&view=c&acct=C00057228&version=1&urlVersion=0&userid=2422869&md5=a08fadf9e5ae0f233a54f816bbb8ceca .
44. The ATLAS trigger: Commissioning with cosmic rays. By ATLAS Collaboration, D. Damazio, S. Rajagolpan *et al.*, (Sep. 2007).
<http://www.slac.stanford.edu/spires/find/hep/www?r=CERN-ATL-COM-DAQ-2007-029> .

45. Measurement of the muon charge asymmetry from W boson decays. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Sep. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0709/0709.4254v1.pdf .
46. Measurement of the $p\bar{p} \rightarrow WZ + X$ cross-section at $\sqrt{s} = 1.96$ -TeV and limits on WWZ trilinear gauge couplings. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Sep. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0709/0709.2917v1.pdf .
47. Expression of interest: A muon to electron conversion experiment at Fermilab. By Mu2e Collaboration, Y. Semertzidis *et al.* (Aug. 2007). <http://lss.fnal.gov/archive/test-tm/2000/fermilab-tm-2389-ad-e.pdf> .
48. Search for flavor-changing-neutral-current D meson decays. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Aug. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0708/0708.2094v1.pdf .
49. Reconstruction and identification of hadronic tau decays in ATLAS. F. Tarrade for the ATLAS Collaboration (Jul. 2007). http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TVD-4P1GV0W-1V&_user=2422869&_rdoc=1&_fmt=&_orig=search&_sort=d&_view=c&_acct=C00057228&_version=1&_urlVersion=0&_userid=2422869&_md5=0d7519e783e1e72f475110a184d0e14d .
50. Search for $B_s^0 \rightarrow \mu^+ \mu^-$ at D0. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Jul. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0707/0707.3997v1.pdf .
51. Dispersion tolerance calculation for NSLS II. F. Lin *et al.* (Jun. 2007). <http://accelconf.web.cern.ch/AccelConf/p07/PAPERS/TUPMS073.PDF> .
52. Search for the lightest scalar top quark in events with two leptons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Jun. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0707/0707.2864v2.pdf .
53. Measurement of the λ_b^0 lifetime using semileptonic decays. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Jun. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0706/0706.2358v1.pdf .
54. Direct observation of the strange b baryon Ξ_b^- . By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Jun. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0706/0706.1690v3.pdf .
55. Measurement of the $t\bar{t}$ production cross-section in $p\bar{p}$ collisions using dilepton events. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Jun. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0706/0706.0458v2.pdf .

56. The D0 level 3 DAQ system: operation and upgrades. By D0 Run II Collaboration, S. Snyder *et al.* (May 2007). <http://ss.fnal.gov/archive/2007/conf/fermilab-conf-07-114-e.pdf> .
57. Observation and Properties of $L = 1 B_1$ and B_2^* Mesons. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (May 2007). http://arxiv.org/PS_cache/arxiv/pdf/0705/0705.3229v1.pdf .
58. Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using kinematic characteristics of lepton + jets events. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (May 2007). http://arxiv.org/PS_cache/arxiv/pdf/0705/0705.2788v1.pdf .
59. $Z\gamma$ production and limits on anomalous $Z Z \gamma$ and $Z \gamma \gamma$ couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (May 2007). http://arxiv.org/PS_cache/arxiv/pdf/0705/0705.1550v2.pdf .
60. Search for third-generation leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (May 2007). http://arxiv.org/PS_cache/arxiv/pdf/0705/0705.0812v1.pdf .
61. Search for stopped gluinos from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (May 2007). http://arxiv.org/PS_cache/arxiv/pdf/0705/0705.0306v2.pdf .
62. CAST: A CERN experiment to search for solar axions. By CAST Collaboration. Y. Semertzidis *et al.* (Apr. 2007). <http://scitation.aip.org/getpdf/servlet/GetPDFServlet?filetype=pdf&id=APCPCS000899000001000037000001&idtype=cvips&prog=normal> .
63. Determination of the pion charge form-factor for $Q^2 = 0.60$ -GeV² - 1.60-GeV². By Jefferson Lab F(pi) Collaboration. K. Assamagan *et al.* (Apr. 2007) http://arxiv.org/PS_cache/nucl-ex/pdf/0607/0607007v2.pdf .
64. Measurement of the Λ_b lifetime in the exclusive decay $\Lambda_b \rightarrow J/\psi \Lambda$. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Apr. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0704/0704.3909v2.pdf .
65. Search for a Higgs boson produced in association with a Z boson in $p\bar{p}$ collisions. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Apr. 2007). http://arxiv.org/PS_cache/arxiv/pdf/0704/0704.2000v1.pdf .

66. An Improved limit on the axion-photon coupling from the CAST experiment. By CAST Collaboration, Y. Semertzidis *et al.* (Feb. 2007).
http://arxiv.org/PS_cache/hep-ex/pdf/0702/0702006v3.pdf .
67. Direct photon and neutral meson production at Fermilab fixed-target energies. By D0 Collaboration, M. Begel, A. Evdokimov, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Feb. 2007).
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TVB-4MXBW6W-1K&_user=2422869&_rdoc=1&_fmt=&_orig=search&_sort=d&_view=c&_acct=C00057228&_version=1&_urlVersion=0&_userid=2422869&md5=04e80793dbfd2b896b0ff9321b931574 .
68. Study of the decay $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)}$. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Feb. 2007).
<http://scitation.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=PRLTAO00099000024241801000001&idtype=cvips&gifs=yes> .
69. Combined D0 measurements constraining the CP-violating phase and width difference in the B0(s) system. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Feb.2007).
http://arxiv.org/PS_cache/hep-ex/pdf/0702/0702030v1.pdf .
70. Measurement of the shape of the boson rapidity distribution for $p\bar{p} \rightarrow Z/\gamma^* \rightarrow e^+e^- + X$ events produced at \sqrt{s} of 1.96-TeV. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Feb. 2007). http://arxiv.org/PS_cache/hep-ex/pdf/0702/0702025v1.pdf .
71. Measurement of the top quark mass in the lepton + jets channel using the Ideogram method. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Feb. 2007).
http://arxiv.org/PS_cache/hep-ex/pdf/0702/0702018v1.pdf .
72. Search for production of single top quarks via flavor-changing neutral currents at the Tevatron. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Feb2007).
http://arxiv.org/PS_cache/hep-ex/pdf/0702/0702005v1.pdf .
73. Overlooked astrophysical signatures of axion(-like) particles. Y. Semertzidis *et al.* (Jan. 2007). <http://arxiv.org/ftp/astro-ph/papers/0701/0701627.pdf> .
74. Lifetime difference and CP-violating phase in the B_s^0 system. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Jan. 2007).
http://arxiv.org/PS_cache/hep-ex/pdf/0701/0701012v1.pdf .
75. Measurement of the charge asymmetry in semileptonic B_s decays. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S.

- Snyder *et al.* (Jan. 2007). http://arxiv.org/PS_cache/hep-ex/pdf/0701/0701007v2.pdf .
76. Evidence for production of single top quarks and first direct measurement of $|V_{tb}|$. . By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Dec. 2006). http://arxiv.org/PS_cache/hep-ex/pdf/0612/0612052v2.pdf .
77. Measurement of the $p\bar{p} \rightarrow t\bar{t}$ production cross section at $\sqrt{s} = 1.96$ -TeV in the fully hadronic decay channel. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Dec. 2006). http://arxiv.org/PS_cache/hep-ex/pdf/0612/0612040v1.pdf .
78. Search for techniparticles in e+jets events at D0. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Dec. 2006). http://arxiv.org/PS_cache/hep-ex/pdf/0612/0612013v1.pdf .
79. Search for single production of scalar leptoquarks in $p\bar{p}$ collisions decaying into muons and quarks with the D0 detector. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Dec. 2006). http://arxiv.org/PS_cache/hep-ex/pdf/0612/0612012v2.pdf .
80. Search for the pair production of scalar top quarks in the acoplanar charm jet final state in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Nov. 2006). http://arxiv.org/PS_cache/hep-ex/pdf/0611/0611003v2.pdf .
81. Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using secondary vertex b tagging. By D0 Collaboration, M. Begel, A. Evdokimov, J. Kotcher, A. Patwa, S. Protopopescu, S. Snyder *et al.* (Nov. 2006). http://arxiv.org/PS_cache/hep-ex/pdf/0611/0611002v2.pdf .
82. Tevatron-for-LHC report of the QCD working group. M. Begel *et al.* (Oct. 2006). http://arxiv.org/PS_cache/hep-ph/pdf/0610/0610012v1.pdf .
83. Overview of the high-level trigger electron and photon selection for the ATLAS experiment at the LHC. By ATLAS Collaboration, D. Damazio and T. Maeno *et al.* (Oct. 2006). <http://ieeexplore.ieee.org/iel5/23/36085/01710282.pdf?tp=&arnumber=1710282&isnumber=36085> .