

Publications

Maris Abolins

10-Apr-2007

1. **“Measurement of the branching fraction $\text{Br}(\text{B}/\text{s}0 \rightarrow \text{D}/\text{s}^* \text{D}/\text{s}^*)$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0702049
FERMILAB-PUB-07-047-E(2007) (Submitted to Phys.Rev.Lett.)
2. **“Combined D0 measurements constraining the CP-violating phase and width difference in the B/s0 system”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0702030
HEPEX-0702030(2007) (Submitted to Phys.Rev.Lett.)
3. **“Measurement of the shape of the boson rapidity distribution for p anti- $p \rightarrow Z / \gamma^* \rightarrow e^+ e^- + X$ events produced at $\sqrt{s}(1/2)$ of 1.96-TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0702025
HEPEX-0702025(2007) (Submitted to Phys.Rev.D)
4. **“Measurement of the top quark mass in the lepton + jets channel using the ideogram method”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0702018
FERMILAB-PUB-07-039-E(2007) (Submitted to Phys.Rev.D)
5. **“Search for production of single top quarks via flavor-changing neutral currents at the Tevatron”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0702005
FERMILAB-PUB-07-031-E(2007) (Submitted to Phys.Rev.Lett.)
6. **“Lifetime difference and CP-violating phase in the B/s0 system”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **98**, 121801 (2007) [arXiv:hep-ex/0701012]
7. **“Measurement of the charge asymmetry in semileptonic B/s decays”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0701007
FERMILAB-PUB-07-005-E(2007) (Submitted to Phys.Rev.Lett.)
8. **“Evidence for production of single top quarks and first direct measurement of $-\text{V}_{tb}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0612052
FERMILAB-PUB-06-475-E(2006) (Submitted to Phys.Rev.Lett.)
9. **“Measurement of the $p\bar{p} \rightarrow t\bar{t}$ production cross section at $\sqrt{s} = 1.96\text{-TeV}$ in the fully hadronic decay channel”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0612040
FERMILAB-PUB-06-426-E(2006) (Submitted to Phys.Rev.D)

10. **“ATLAS dataflow: The read-out subsystem, results from trigger and data-acquisition system testbed studies and from modeling”**
J. Vermeulen *et al.*
IEEE Trans. Nucl. Sci. **53**, 912 (2006)
11. **“Deployment and use of the ATLAS DAQ in the combined test beam”**
S. Gadomski *et al.*
IEEE Trans. Nucl. Sci. **53**, 2156 (2006)
12. **“Measurement of the t anti-t production cross section in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV using secondary vertex b tagging”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **74**, 112004 (2006) [arXiv:hep-ex/0611002]
13. **“Measurement of B/d mixing using opposite-side flavor tagging”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0609034 (Submitted to Phys.Rev.D)
14. **“Measurement of the ratios of the Z/gamma* + n jet production cross sections to the total inclusive Z/gamma* cross section in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0608052 (Submitted to Phys.Rev.Lett.)
15. **“First determination of the electric charge of the top quark”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0608044 (Submitted to Phys.Rev.Lett.)
16. **“Search for pair production of scalar bottom quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **97**, 171806 (2006) [arXiv:hep-ex/0608013]
17. **“Limits on anomalous trilinear gauge couplings from $WW \rightarrow e^+e^-$, $WW \rightarrow e^\pm\mu^\mp$, and $WW \rightarrow \mu^+\mu^-$ events from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **74**, 057101 (2006) [arXiv:hep-ex/0608011]
18. **“Search for W' boson production in the top quark decay channel”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **641**, 423 (2006) [arXiv:hep-ex/0607102]
19. **“Search for scalar leptoquarks in the acoplanar jet topology in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **640**, 230 (2006) [arXiv:hep-ex/0607009]
20. **“Search for a heavy resonance decaying into a Z + jet final state in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV using the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **74**, 011104 (2006) [arXiv:hep-ex/0606018]
21. **“Search for particles decaying into a Z boson and a photon in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **641**, 415 (2006) [arXiv:hep-ex/0605064]
22. **“Search for resonant second generation slepton production at the Tevatron”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **97**, 111801 (2006) [arXiv:hep-ex/0605010]
23. **“Search for neutral Higgs bosons decaying to tau pairs in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **97**, 121802 (2006) [arXiv:hep-ex/0605009]

24. **“Search for R-parity violating supersymmetry via the LLE couplings $\lambda(121)$, $\lambda(122)$ or $\lambda(133)$ in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **638**, 441 (2006) [arXiv:hep-ex/0605005]
25. **“Testing on a large scale: Running the ATLAS data acquisition and high level trigger software on 700 PC nodes”**
D. Burckhart-Chromek *et al.*
ATL-DAQ-2006-002
Prepared for International Conference on Computing in High Energy and Nuclear Physics (CHEP 2006), Mumbai, Maharashtra, India, 13-17 Feb 2006
26. **“A precise measurement of the B/s0 lifetime”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **97**, 241801 (2006) [arXiv:hep-ex/0604046]
27. **“Search for excited muons in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **73**, 111102 (2006) [arXiv:hep-ex/0604040]
28. **“Search for squarks and gluinos in events with jets and missing transverse energy in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **638**, 119 (2006) [arXiv:hep-ex/0604029]
29. **“Multivariate searches for single top quark production with the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0604020 (Submitted to Phys.Rev.D)
30. **“Search for the rare decay $B^0/s \rightarrow \bar{\chi} \text{Phi} \mu^+ \mu^-$ with the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **74**, 031107 (2006) [arXiv:hep-ex/0604015]
31. **“First direct two-sided bound on the B/s0 oscillation frequency”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **97**, 021802 (2006) [arXiv:hep-ex/0603029]
32. **“Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at $\sqrt{s} = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **639**, 616 (2006) [arXiv:hep-ex/0603002]
33. V. M. Abazov *et al.* [D0 Collaboration], “Search for pair production of second generation scalar leptoquarks in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$,” arXiv:hep-ex/0601047.
34. V. M. Abazov *et al.* [D0 Collaboration], “Measurement of the isolated photon cross section in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$,” arXiv:hep-ex/0511054.
35. V. M. Abazov *et al.* [D0 Collaboration], “Search for the Higgs boson in $H \rightarrow W W^{(*)}$ decays in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$,” Phys. Rev. Lett. **96**, 011801 (2006) [arXiv:hep-ex/0508054].
36. V. M. Abazov *et al.* [D0 Collaboration], “Measurement of semileptonic branching fractions of B mesons to narrow D^{**} states,” Phys. Rev. Lett. **95**, 171803 (2005) [arXiv:hep-ex/0507046].
37. V. M. Abazov *et al.* [D0 Collaboration], “Measurement of the lifetime difference in the B/s0 system,” Phys. Rev. Lett. **95**, 171801 (2005) [arXiv:hep-ex/0507084].
38. V. M. Abazov *et al.* [D0 Collaboration], “The upgraded D0 detector,” arXiv:physics/0507191.
39. V. M. Abazov *et al.* [D0 Collaboration], “Search for large extra spatial dimensions in dimuon production at D0,” Phys. Rev. Lett. **95**, 161602 (2005) [arXiv:hep-ex/0506063].
40. V. M. Abazov *et al.* [D0 Collaboration], “Search for Randall-Sundrum gravitons in dilepton and diphoton final states,” Phys. Rev. Lett. **95**, 091801 (2005) [arXiv:hep-ex/0505018].

41. V. M. Abazov *et al.* [D0 Collaboration], “Measurement of the W boson helicity in top quark decays,” Phys. Rev. D **72**, 011104 (2005) [arXiv:hep-ex/0505031].
42. V. M. Abazov *et al.* [D0 Collaboration], “Search for single top quark production in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$,” Phys. Lett. B **622**, 265 (2005) [arXiv:hep-ex/0505063].
43. V. M. Abazov *et al.* [D0 Collaboration], “Measurement of the t anti-t production cross section in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ in dilepton final states,” Phys. Lett. B **626**, 55 (2005) [arXiv:hep-ex/0505082].
44. V. M. Abazov *et al.* [D0 Collaboration], “Search for neutral supersymmetric Higgs bosons in multijet events at $s^{**}(1/2) = 1.96\text{-TeV}$,” Phys. Rev. Lett. **95**, 151801 (2005) [arXiv:hep-ex/0504018].
45. V. M. Abazov *et al.* [D0 Collaboration], “Production of W Z events in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ and limits on anomalous W W Z couplings,” Phys. Rev. Lett. **95**, 141802 (2005) [arXiv:hep-ex/0504019].
46. V. M. Abazov *et al.* [D0 Collaboration], “Search for supersymmetry via associated production of charginos and neutralinos in final states with three leptons,” Phys. Rev. Lett. **95**, 151805 (2005) [arXiv:hep-ex/0504032].
47. V. M. Abazov *et al.* [D0 Collaboration], “Measurement of the t anti-t production cross section in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ using kinematic characteristics of lepton + jets events,” Phys. Lett. B **626**, 45 (2005) [arXiv:hep-ex/0504043].
48. V. M. Abazov *et al.* [D0 Collaboration], “Measurement of the t anti-t production cross section in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ using lepton + jets events with lifetime b-tagging,” Phys. Lett. B **626**, 35 (2005) [arXiv:hep-ex/0504058].
49. V. M. Abazov *et al.* [D0 Collaboration], “Measurement of the p anti-p \rightarrow W gamma + X cross section at $s^{**}(1/2) = 1.96\text{-TeV}$ and W W gamma anomalous coupling limits,” Phys. Rev. D **71**, 091108 (2005) [arXiv:hep-ex/0503048].
50. V. M. Abazov *et al.* [D0 Collaboration], “Measurement of inclusive differential cross sections for Upsilon(1S) production in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$,” Phys. Rev. Lett. **94**, 232001 (2005) [arXiv:hep-ex/0502030].
51. **“Study of Z gamma events and limits on anomalous Z Z gamma and Z gamma gamma couplings in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0502036
52. **“Measurement of inclusive differential cross sections for Upsilon(1S) production in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0502030
53. **“Design and test of prototype boards for the L1 calorimeter trigger upgrade at the D0 experiment”**
M. Abolins, D. Edmunds, P. Laurens, D. Calvet, P. Demine and E. Perez
DAPNIA-04-312
Prepared for 2004 IEEE Nuclear Science Symposium and Medical Imaging Conference (NSS / MIC), Rome, Italy, 16-22 Oct 2004
54. **“Search for first-generation scalar leptoquarks in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0412029
55. **“First measurement of $\sigma(\text{p anti-p} \rightarrow \text{Z}) \times \text{Br}(\text{Z} \rightarrow \text{tau tau})$ at $s^{**}(1/2) = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **71**, 072004 (2005) [arXiv:hep-ex/0412020]

56. **“A search for anomalous heavy-flavor quark production in association with W bosons”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **94**, 152002 (2005) [arXiv:hep-ex/0411084]
57. **“Measurement of the top quark mass in all-jet events”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **606**, 25 (2005) [arXiv:hep-ex/0410086]
58. **“A measurement of the ratio of inclusive cross sections $\sigma(\text{p p} \rightarrow \text{Z} + \text{b-jet})/\sigma(\text{p p} \rightarrow \text{Z} + \text{jet})$ at $s^{1/2} = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0410078
59. **“Measurement of the W W production cross section in p anti-p collisions at $s^{1/2} = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **94**, 151801 (2005) [arXiv:hep-ex/0410066]
60. **“A search for W b anti-b and W H production in p anti-p collisions at $s^{1/2} = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **94**, 091802 (2005) [arXiv:hep-ex/0410062]
61. **“Measurement of the Lambda/b0 lifetime in the decay $\text{Lambda}/\text{b0} \rightarrow \text{J}/\text{psi Lambda0}$ with the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **94**, 102001 (2005) [arXiv:hep-ex/0410054]
62. **“Measurement of the ratio of B+ and B0 meson lifetimes”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0410052
63. **“A search for the flavor-changing neutral current decay $\text{B}/\text{s0} \rightarrow \mu^+ \mu^-$ in p anti-p collisions at $s^{1/2} = 1.96\text{-TeV}$ with the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **94**, 071802 (2005) [arXiv:hep-ex/0410039]
64. **“Measurement of the B/s0 lifetime in the exclusive decay channel $\text{B}/\text{s0} \rightarrow \text{J}/\text{psi Phi}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **94**, 042001 (2005) [arXiv:hep-ex/0409043]
65. **“Measurement of dijet azimuthal decorrelations at central rapidities in p anti-p collisions at $s^{1/2} = 1.96\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0409040
66. **“Search for supersymmetry with gauge-mediated breaking in diphoton events at D0”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **94**, 041801 (2005) [arXiv:hep-ex/0408146]
67. **“New measurement of the top quark mass in lepton + jets t anti-t events at D0”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0407005
68. **“The Second Level Trigger Of The Atlas Experiment At Cern’s Lhc”**
A. Dos Anjos *et al.*
IEEE Trans. Nucl. Sci. **51**, 909 (2004)
69. **“The base-line DataFlow system of the ATLAS trigger and DAQ”**
H. P. Beck *et al.*
IEEE Trans. Nucl. Sci. **51**, 470 (2004)

70. **“A precision measurement of the mass of the top quark”**
V. M. Abazov *et al.* [D0 Collaboration]
Nature **429**, 638 (2004) [arXiv:hep-ex/0406031]
71. **“A Proposal To Fermi National Accelerator Laboratory Exclusive Kn Charge Exchange”**
K. W. Edwards *et al.*
FERMILAB-PROPOSAL-0585
72. **“Observation and properties of the X(3872) decaying to J/psi pi+ pi- in p anti-p collisions at s**(1/2) = 1.96-TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **93**, 162002 (2004) [arXiv:hep-ex/0405004]
73. **“Proposal For A New Neutrino Detector At Fermilab”**
P. Berge *et al.*
FERMILAB-PROPOSAL-0594
74. **“Helicity of the W boson in lepton + jets t anti-t events”**
V. M. Abazov *et al.* [D0 Collaboration]
arXiv:hep-ex/0404040
75. **“Search for doubly-charged Higgs boson pair production in the decay to mu+ mu+ mu- mu- in p anti-p collisions at s**(1/2) = 1.96-TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **93**, 141801 (2004) [arXiv:hep-ex/0404015]
76. **“Proposal To Study Nucleon Structure Functions At High Q**2”**
D. Bogert *et al.*
FERMILAB-PROPOSAL-0649
77. **“Comparison Of Polarizations Of Inclusively Produced Lambdas And Antilambdas By Protons, Antiprotons, Kaons And Pions On Hydrogen”**
S. Gourlay *et al.*
FERMILAB-PROPOSAL-0663
78. **“Proposal To Study Neutrino Interactions In A Beam Dump Experiment”**
D. Bogert *et al.*
FERMILAB-PROPOSAL-0656
79. **“Search for Pair Production of Light Scalar Top Quarks in p-pbar Collisions at sqrts=1.8 TeV”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **93**, 011801 (2004) [arXiv:hep-ex/0404028]
80. **“Electron - Proton Interaction Experiment”**
Y. Cho *et al.*
FERMILAB-PROPOSAL-0719
81. **“Proposal To Study High Energy Neutrino Interactions With The Tevatron Quadrupole Triplet Beam”**
D. Bogert *et al.*
FERMILAB-PROPOSAL-0733
82. **“A Proposal To Study High Energy Anti-Proton Proton Interactions At The Fermilab Collider With A 4 Pi High Resolution Electromagnetic / Hadronic Calorimeter”**
M. A. . Abolins *et al.* [Calorimetric detector collaboration]
FERMILAB-PROPOSAL-0726
83. **“Combination of CDF and D0 results on W boson mass and width”**
V. M. Abazov *et al.* [CDF Collaboration]
Phys. Rev. D **70**, 092008 (2004) [arXiv:hep-ex/0311039]

84. **“Search for 3- and 4-body decays of the scalar top quark in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”**
 V. M. Abazov *et al.* [D0 collaboration]
 Phys. Lett. B **581**, 147 (2004)
85. **“Search for new particles in the two-jet decay channel with the D0 detector”**
 V. M. Abazov *et al.* [D0 Collaboration]
 Phys. Rev. D **69**, 111101 (2004) [arXiv:hep-ex/0308033]
86. **“Observation of diffractively produced W and Z bosons in anti-p p collisions at $s^{**}(1/2) = 1800\text{-GeV}$ ”**
 V. M. Abazov *et al.* [D0 Collaboration]
 Phys. Lett. B **574**, 169 (2003) [arXiv:hep-ex/0308032]
87. **“Search for narrow t anti-t resonances in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”**
 V. M. Abazov *et al.* [D0 Collaboration]
 Phys. Rev. Lett. **92**, 221801 (2004) [arXiv:hep-ex/0307079]
88. **“The run IIb trigger upgrade for the D0 experiment”**
 M. Abolins *et al.*
 IEEE Trans. Nucl. Sci. **51**, 340 (2004)
Prepared for 13th IEEE - NPSS Real Time Conference (RT 2003), Montreal, Canada, 18-23 May 2003
89. **“Run IIb upgrade technical design report”**
 V. M. Abazov *et al.* [D0 Collaboration]
 FERMILAB-PUB-02-327-E
90. **“Algorithms and architecture for the L1 calorimeter trigger at D0 run IIb”**
 J. Bystricky *et al.*
 IEEE Trans. Nucl. Sci. **51**, 351 (2004)
Presented at 13th IEEE - NPSS Real Time Conference (RT 2003), Montreal, Canada, 18-23 May 2003
91. **“The DataFlow system of the ATLAS trigger and DAQ”**
 G. Lehmann *et al.*
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Talk given at 2003 Conference for Computing in High-Energy and Nuclear Physics (CHEP 03), La Jolla, California, 24-28 Mar 2003
92. **“A Study of the strong coupling constant using W + jets processes”**
 S. Abachi *et al.* [D0 Collaboration]
 FERMILAB-CONF-95-212-E
Submitted to Int. Europhys. Conf. on High Energy Physics, Brussels, Belgium, Jul 27 - Aug 2, 1995
93. **“Search for large extra dimensions in the monojet + missing-E(T) channel at D0”**
 V. M. Abazov *et al.* [D0 Collaboration]
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94. **“The ATLAS level-2 trigger pilot project”**
 R. Blair *et al.*
 IEEE Trans. Nucl. Sci. **49**, 851 (2002)
Prepared for IEEE 2001 Nuclear Science Symposium (NSS) and Medical Imaging Conference (MIC), San Diego, California, 4-10 Nov 2001
95. **“Search for the production of single sleptons through R-parity violation in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”**
 V. M. Abazov *et al.* [D0 Collaboration]
 Phys. Rev. Lett. **89**, 261801 (2002) [arXiv:hep-ex/0207100]
96. **“Multiple jet production at low transverse energies in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”**
 V. M. Abazov *et al.* [D0 Collaboration]
 Phys. Rev. D **67**, 052001 (2003) [arXiv:hep-ex/0207046]

97. **“t anti-t production cross section in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **67**, 012004 (2003) [arXiv:hep-ex/0205019]
98. **“The scintillator fiber tracker and muon trigger at D0”**
M. Abolins [D0 Collaboration]
Prepared for International Europhysics Conference on High-Energy Physics (HEP 2001), Budapest, Hungary, 12-18 Jul 2001
99. **“Search for mSUGRA in single electron events with jets and large missing transverse energy in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **66**, 112001 (2002) [arXiv:hep-ex/0205002]
100. **“Rapidity gaps and diffraction at D0”**
M. A. Abolins [D0 Collaboration]
Prepared for INFN ELOISATRON Project: 33rd Workshop: Universality Features in Multihadron Production and the Leading Effect, Erice, Italy, 19-25 Oct 1996
101. **“Improved W boson mass measurement with the D0 detector”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **66**, 012001 (2002) [arXiv:hep-ex/0204014]
102. **“A direct measurement of W boson decay width”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **66**, 032008 (2002) [arXiv:hep-ex/0204009]
103. **“Search for R-parity violating supersymmetry in dimuon and four-jets channel”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **89**, 171801 (2002) [arXiv:hep-ex/0111053]
104. **“Search for leptoquark pairs decaying to $\nu\nu + \text{jets}$ in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. Lett. **88**, 191801 (2002) [arXiv:hep-ex/0111047]
105. **“The inclusive jet cross-section in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ using the k(T) algorithm”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Lett. B **525**, 211 (2002) [arXiv:hep-ex/0109041]
106. **“Subject multiplicity of gluon and quark jets reconstructed with the k(T) algorithm in p anti-p collisions”**
V. M. Abazov *et al.* [D0 Collaboration]
Phys. Rev. D **65**, 052008 (2002) [arXiv:hep-ex/0108054]
107. **“Triggering and calorimetry”**
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196. **“Color coherence in W + jet events”**

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197. **“Search for heavy neutral gauge bosons at D0”**

B. Abbott *et al.* [D0 Collaboration]

FERMILAB-CONF-97-367-E

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198. **“D0 results on W boson properties”**

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B. Abbott *et al.* [D0 Collaboration]

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201. **“The dijet mass spectrum at D0”**

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