

** Indicates papers where I was a primary author.

Papers submitted for publication

1. G. Aad *et al.* [ATLAS Collaboration], “Charged-particle multiplicities in pp interactions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector at the LHC,” CERN-PH-EP/2010-004, accepted for publication in Phys. Lett. **B**, March 15, 2010.
2. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the Ratio of Branching Fractions $\text{Br}(B^+ \rightarrow J/\psi\pi^+)/\text{Br}(B^+ \rightarrow J/\psi K^+)$,” arXiv:0905.2146 [hep-ex].

Papers published in refereed journals

3. T. Aaltonen *et al.* [CDF Collaboration], “Search for Hadronic Decays of W and Z Bosons in Photon Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -GeV,” Phys. Rev. D **80**, 052011 (2009).
4. ** V. Cindro *et al.*, “The ATLAS Beam Conditions Monitor,” JINST **3**, P02004 (2008).
5. ** G. Aad *et al.* [ATLAS Collaboration], “The ATLAS Experiment at the CERN Large Hadron Collider,” JINST **3**, S08003 (2008).
6. ** M. Mathes, M. Cristinziani, H. Kagan, S. Smith, W. Trischuk, J. Velthuis and N. Vermes, “Characterization of a Single Crystal Diamond Pixel Detector in a High Energy Particle Beam,” JINST **3**, P12002 (2008).
7. G. Aad *et al.* [ATLAS Collaboration], “Expected Performance of the ATLAS Experiment - Detector, Trigger and Physics,” arXiv:0901.0512.
8. J. J. Velthuis *et al.*, “Radiation hard diamond pixel detectors,” Nucl. Instrum. Meth. A **591**, 221 (2008).
9. ** T. Aaltonen *et al.* [CDF-II Collaboration], “First Run II Measurement of the W Boson Mass,” Phys. Rev. D **77**, 112001 (2008).
10. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for Maximal Flavor Violating Scalars in Same-Charge Lepton Pairs in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **102**, 041801 (2009).
11. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for Third Generation Vector Leptoquarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **77**, 091105 (2008).
12. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for resonant $t\bar{t}$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **100**, 231801 (2008).

13. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for chargino-neutralino production in $p - \bar{p}$ collisions at 1.96 TeV with high p_T leptons,” *Phys. Rev. D* **77**, 052002 (2008).
14. T. Aaltonen *et al.* [CDF-II Collaboration], “Observation of Exclusive Dijet Production at the Fermilab Tevatron $p - \bar{p}$ Collider,” *Phys. Rev. D* **77**, 052004 (2008).
15. T. Aaltonen *et al.* [CDF-II Collaboration], “First Flavor-Tagged Determination of Bounds on Mixing-Induced CP Violation in $B_s \rightarrow J/\psi\phi$ Decays,” *Phys. Rev. Lett.* **100**, 161802 (2008).
16. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for New Heavy Particles Decaying to $Z^0 Z^0 \rightarrow eeee$ in $p - \bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” *Phys. Rev. D* **78**, 012008 (2008).
17. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for Heavy Top-like Quarks $t' \rightarrow Wq$ Using Lepton Plus Jets Events in 1.96 TeV Proton-Antiproton Collisions,” *Phys. Rev. Lett.* **100**, 161803 (2008).
18. T. Aaltonen *et al.* [CDF-II Collaboration], “Measurement of Ratios of Fragmentation Fractions for Bottom Hadrons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” *Phys. Rev. D* **77**, 072003 (2008).
19. T. Aaltonen *et al.* [CDF-II Collaboration], “First Measurement of ZZ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” *Phys. Rev. Lett.* **100**, 201801 (2008).
20. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for the Higgs boson in events with missing transverse energy and b quark jets produced in proton-antiproton collisions at $\sqrt{s}=1.96$ TeV,” *Phys. Rev. Lett.* **100**, 211801 (2008).
21. T. Aaltonen *et al.* [CDF-II Collaboration], “Two-Particle Momentum Correlations in Jets Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” *Phys. Rev. D* **77**, 092001 (2008)
22. L. Brigliadori *et al.* [CDF-II Collaboration], “Search for Pair Production of Scalar Top Quarks Decaying to a τ Lepton and a b Quark in $p - \bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV,” *Phys. Rev. Lett.* **101**, 071802 (2008).
23. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for Heavy, Long-Lived Neutralinos that Decay to Photons at CDF II Using Photon Timing, *Phys. Rev. D* **78**, 032015 (2008).
24. J. C. Armitage *et al.*, “Electron signals in the forward calorimeter prototype for ATLAS,” *JINST* **2**, P11001 (2007).
25. T. Aaltonen *et al.* [CDF-II Collaboration], “Measurement of the cross section for W-boson production in association with jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” *Phys. Rev. D* **77**, 011108 (2008).
26. T. Aaltonen *et al.* [CDF-II Collaboration], “Measurement of Inclusive Jet Cross Sections in $Z/g \rightarrow ee +$ jets Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” *Phys. Rev. Lett.* **100**, 102001 (2008).

27. ** M. Mikuz *et al.*, “Diamond pad detector telescope for beam conditions and luminosity monitoring in ATLAS,” Nucl. Instrum. Meth. A **579**, 788 (2007).
28. T. Aaltonen *et al.* [CDF-II Collaboration], “First Measurement of the Production of a W Boson in Association with a Single Charm Quark in Proton Anti-proton Collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **100**, 091803 (2008).
29. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for Standard Model Higgs Bosons Produced in Association with W Bosons,” Phys. Rev. Lett. **100**, 041801 (2008).
30. T. Aaltonen *et al.* [The CDF Collaboration], “Search for Doubly Charged Higgs Bosons with Lepton-Flavor-Violating Decays involving Tau Leptons,” Phys. Rev. Lett. **101**, 121801 (2008).
31. T. Aaltonen *et al.* [CDF-II Collaboration], “Observation of Orbitally Excited B_s Mesons,” Phys. Rev. Lett. **100**, 082001 (2008).
32. T. Aaltonen *et al.* [CDF-II Collaboration], “A direct Measurement of the W Boson Width in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **100**, 071801 (2008).
33. T. Aaltonen *et al.* [CDF-II Collaboration], “Cross Section Constrained Top Quark Mass Measurement from Dilepton Events at the Tevatron,” Phys. Rev. Lett. **100**, 062005 (2008).
34. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for Direct Pair Production of Supersymmetric Top and Supersymmetric Bottom Quarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **76**, 072010 (2007).
35. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for new physics in high mass electron-positron events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **99**, 171802 (2007).
36. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for exclusive $\gamma\gamma$ production in hadron-hadron collisions,” Phys. Rev. Lett. **99**, 242002 (2007).
37. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for chargino-neutralino production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **99**, 191806 (2007).
38. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for a high-mass diphoton state and limits on Randall-Sundrum gravitons at CDF,” Phys. Rev. Lett. **99**, 171801 (2007).
39. T. Aaltonen *et al.* [CDF-II Collaboration], “Observation and mass measurement of the baryon Xi_b^- ,” Phys. Rev. Lett. **99**, 052002 (2007).
40. ** A. Gorisek *et al.*, “ATLAS diamond beam condition monitor,” Nucl. Instrum. Meth. A **572**, 67 (2007).
41. ** T. Aaltonen *et al.* [CDF-II Collaboration], “First Measurement of the W Boson Mass in Run II of the Tevatron,” Phys. Rev. Lett. **99**, 151801 (2007).

42. T. Aaltonen *et al.* [CDF-II Collaboration], “First observation of heavy baryons Σ_b and Σ_b^* ,” Phys. Rev. Lett. **99**, 202001 (2007).
43. T. Aaltonen *et al.* [CDF-II Collaboration], “Measurement of the $p\bar{p} \rightarrow t\bar{t}$ production cross-section and the top quark mass at $\sqrt{s} = 1.96$ -TeV in the all-hadronic decay mode,” Phys. Rev. D **76**, 072009 (2007).
44. T. Aaltonen *et al.* [CDF-II Collaboration], “Search for New Particles Leading to Z + jets Final States in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **76**, 072006 (2007).
45. T. Aaltonen *et al.* [CDF-II Collaboration], “Limits on Anomalous Triple Gauge Couplings in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **76**, 111103 (2007).
46. T. Aaltonen *et al.* [CDF-II Collaboration], “Measurement of the top-quark mass using missing E_T + jets events with secondary vertex b -tagging at CDF II,” Phys. Rev. D **75**, 111103 (2007).
47. A. Abulencia *et al.* [CDF-II Collaboration], “Search for heavy, long-lived particles that decay to photons at CDF II,” Phys. Rev. Lett. **99**, 121801 (2007).
48. A. Abulencia *et al.* [CDF-II Collaboration], “Polarization of J/ψ and ψ_{2S} mesons produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **99**, 132001 (2007).
49. A. Abulencia *et al.* [CDF-II Collaboration], “Precise measurement of the top quark mass in the lepton+jets topology at CDF II,” Phys. Rev. Lett. **99**, 182002 (2007).
50. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of $\sigma_{\chi_{c2}}\mathcal{B}(\chi_{c2} \rightarrow J/\psi\gamma)/\sigma_{\chi_{c1}}\mathcal{B}(\chi_{c1} \rightarrow J/\psi\gamma)$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **98**, 232001 (2007).
51. A. Abulencia *et al.* [CDF-II Collaboration], “First Measurement of the Ratio of Central-Electron to Forward-Electron W Partial Cross Sections in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **98**, 251801 (2007).
52. A. Abulencia *et al.* [CDF-II Collaboration], “Observation of WZ Production,” Phys. Rev. Lett. **98**, 161801 (2007).
53. A. Abulencia *et al.* [CDF-II Collaboration], “Analysis of the quantum numbers $J(PC)$ of the X(3872),” Phys. Rev. Lett. **98**, 132002 (2007).
54. A. Abulencia *et al.* [CDF-II Collaboration], “Measurements of inclusive W and Z cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” J. Phys. G **34**, 2457 (2007).
55. A. Abulencia *et al.* [CDF-II Collaboration], “Inclusive search for new physics with like-sign dilepton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **98**, 221803 (2007).
56. A. Abulencia *et al.* [CDF-II Collaboration], “Search for new physics in lepton + photon + X events with 929 pb^{-1} of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **75**, 112001 (2007).

57. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the Inclusive Jet Cross Section using the k_T algorithm in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV with the CDF II Detector,” Phys. Rev. D **75**, 092006 (2007), [Erratum-ibid. D **75**, 119901 (2007)].
58. A. Abulencia *et al.* [CDF-II Collaboration], “Search for anomalous production of multi-lepton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **98**, 131804 (2007).
59. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the Top Quark Mass in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV using the Decay Length Technique,” Phys. Rev. D **75**, 071102 (2007).
60. A. Abulencia *et al.* [CDF-II Collaboration], “Precision measurement of the top quark mass from dilepton events at CDF II,” Phys. Rev. D **75**, 031105 (2007).
61. T. Aaltonen *et al.*, [CDF-II Collaboration] “Measurement of the top-quark mass in all-hadronic decays in $p\bar{p}$ collisions at CDF II,” Phys. Rev. Lett. **98**, 142001 (2007).
62. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the helicity fractions of W bosons from top quark decays using fully reconstructed $t\bar{t}$ events with CDF II,” Phys. Rev. D **75**, 052001 (2007).
63. A. Abulencia *et al.* [CDF-II Collaboration], “Search for W' boson decaying to electron-neutrino pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **75**, 091101 (2007).
64. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the Ratios of Branching Fractions $\mathcal{B}(\mathcal{B}_f \rightarrow \mathcal{D}_f \pi \pi \pi) / \mathcal{B}(\mathcal{B}' \rightarrow \mathcal{D}' \pi \pi \pi)$ and $\mathcal{B}(\mathcal{B}_f \rightarrow \mathcal{D}_f \pi) / \mathcal{B}(\mathcal{B}' \rightarrow \mathcal{D}' \pi)$,” Phys. Rev. Lett. **98**, 061802 (2007).
65. A. Abulencia *et al.* [CDF-II Collaboration], “Observation of $B_s^0 \rightarrow \psi(2S)\phi$ and measurement of ratio of branching fractions $\mathcal{B}(B_s^0 \rightarrow \psi(2S)\phi) / \mathcal{B}(B_s^0 \rightarrow J/\psi\phi)$,” Phys. Rev. Lett. **96**, 231801 (2006).
66. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the Λ_b^0 lifetime in $\Lambda_b^0 \rightarrow J/\psi \Lambda^0$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **98**, 122001 (2007).
67. A. Abulencia *et al.* [CDF-II Collaboration], “Search for V + A current in top quark decay in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **98**, 072001 (2007).
68. A. Abulencia *et al.* [CDF-II Collaboration], “Search for Exotic S=-2 Baryons in proton-antiproton Collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. D **75**, 032003 (2007).
69. A. Abulencia *et al.* [CDF-II Collaboration], “Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions,” Phys. Rev. Lett. **98**, 112001 (2007).
70. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the B^+ production cross-section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **75**, 012010 (2007).
71. ** W. Adam *et al.* [RD42 Collaboration], “Radiation hard diamond sensors for future tracking applications,” Nucl. Instrum. Meth. A **565**, 278 (2006).

72. ** A. Abulencia *et al.* [CDF-II Collaboration], “Observation of $B_s^0 - \bar{B}_s^0$ Oscillations,” Phys. Rev. Lett. **97**, 242003 (2006).
73. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the $t\bar{t}$ Production Cross Section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV in the All Hadronic Decay Mode,” Phys. Rev. D **74**, 072005 (2006).
74. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the $t\bar{t}$ Production Cross Section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using Lepton + Jets Events with Jet Probability b tagging,” Phys. Rev. D **74**, 072006 (2006).
75. A. Abulencia *et al.* [CDF-II Collaboration], “Observation of $B_s^0 \rightarrow K^+K^-$ and Measurements of Branching Fractions of Charmless Two-body Decays of B^0 and B_s^0 Mesons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **97**, 211802 (2006).
76. A. Abulencia *et al.* [CDF-II Collaboration], “Search for excited and exotic muons in the $\mu\gamma$ decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **97**, 191802 (2006).
77. ** A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the $B_s^0 - \bar{B}_s^0$ Oscillation Frequency,” Phys. Rev. Lett. **97**, 062003 (2006).
78. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the $t\bar{t}$ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **97**, 082004 (2006).
79. A. Abulencia *et al.* [CDF-II Collaboration], “Search for a neutral Higgs boson decaying to a W boson pair in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **97**, 081802 (2006).
80. A. Abulencia *et al.* [CDF-II Collaboration], “Top quark mass measurement from dilepton events at CDF-II with the matrix-element method,” Phys. Rev. D **74**, 032009 (2006).
81. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the b jet cross-section in events with a Z boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **74**, 032008 (2006).
82. A. Abulencia *et al.* [CDF-II Collaboration], “Search for new physics in lepton + photon + X events with 305 pb^{-1} of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **97**, 031801 (2006).
83. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the ratio of branching fractions $\mathcal{B}(\mathcal{D}' \rightarrow \mathcal{K}^+\pi^-)/\mathcal{B}(\mathcal{D}' \rightarrow \mathcal{K}^-\pi^+)$ using the CDF II Detector,” Phys. Rev. D **74**, 031109 (2006).
84. Z. Natkaniec *et al.*, [BELLE SVD Group], “Status of the Belle silicon vertex detector,” Nucl. Instrum. Meth. A **560**, 1 (2006).
85. A. Abulencia *et al.* [CDF-II Collaboration], “Search for large extra dimensions in the production of jets and missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **97**, 171802 (2006).

86. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using missing $E(t) +$ jets events with secondary vertex b -tagging,” Phys. Rev. Lett. **96**, 202002 (2006).
87. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the B_c^+ meson lifetime using $B_c^+ \rightarrow J/\psi e^+ \nu/e$,” Phys. Rev. Lett. **97**, 012002 (2006).
88. A. Abulencia *et al.* [CDF-II Collaboration], “Search for high-mass resonances decaying to $e \mu$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **96**, 211802 (2006).
89. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the top quark mass using template methods on dilepton events in proton antiproton collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **73**, 112006 (2006).
90. ** H. Aihara *et al.*, [BELLE SVD Group], “Belle SVD2 vertex detector,” Nucl. Instrum. Meth. A **568**, 269 (2006).
91. A. Abulencia *et al.* [CDF-II Collaboration], “Search for $Z' \rightarrow e^+e^-$ using dielectron mass and angular distribution,” Phys. Rev. Lett. **96**, 211801 (2006).
92. A. Abulencia *et al.* [CDF-II Collaboration], “Search for $H \rightarrow b\bar{b}$ produced in association with W bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **96** (2006) 081803.
93. A. Abulencia *et al.* [CDF-II Collaboration], “Search for charged Higgs bosons from top quark decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **96** (2006) 042003.
94. A. Abulencia *et al.* [CDF-II Collaboration], “Precision top quark mass measurement in the lepton + jets topology in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **96** (2006) 022004.
95. A. Abulencia *et al.* [CDF-II Collaboration], “Search for neutral MSSM Higgs bosons decaying to τ pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **96** (2006) 011802.
96. A. Abulencia *et al.* [CDF-II Collaboration], “Search for $B_s^0 \rightarrow \mu^+\mu^-$ and $B_d^0 \rightarrow \mu^+\mu^-$ decays in $p\bar{p}$ collisions with CDF II,” Phys. Rev. Lett. **95** (2005) 221805, [Erratum-ibid. **95** (2005) 249905].
97. A. Abulencia *et al.* [CDF-II Collaboration], “Search for new high mass particles decaying to lepton pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **95** (2005) 252001
98. D. Acosta *et al.* [CDF-II Collaboration], “Search for $\Lambda_b \rightarrow p\pi$ and $\Lambda_b \rightarrow pK$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. D **72** (2005) 051104.
99. D. Acosta *et al.* [CDF-II Collaboration], “Search for W and Z bosons in the reaction $\bar{p}p \rightarrow 2$ jets + γ at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. D **73** (2006) 012001.
100. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the dipion mass spectrum in $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ decays,” Phys. Rev. Lett. **96**, 102002 (2006).

101. A. Abulencia *et al.* [CDF-II Collaboration], “A search for scalar bottom quarks from gluino decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” *Phys. Rev. Lett.* **96**, 171802 (2006).
102. A. Abulencia *et al.* [CDF-II Collaboration], “Top quark mass measurement from dilepton events at CDF II,” *Phys. Rev. Lett.* **96**, 152002 (2006).
103. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of mass and width of the excited charmed meson states D_1^0 and D_2^{*0} ,” *Phys. Rev. D* **73**, 051104 (2006).
104. A. Abulencia *et al.* [CDF-II Collaboration], “Search for anomalous semileptonic decay of heavy flavor hadrons produced in association with a W boson at CDF II,” *Phys. Rev. D* **73**, 051101 (2006).
105. A. Abulencia *et al.* [CDF-II II Collaboration], “Measurement of the inclusive jet cross section using the k_t algorithm in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” *Phys. Rev. Lett.* **96**, 122001 (2006).
106. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the inclusive jet cross section in $p\bar{p}$ interactions at $\sqrt{s} = 1.96$ TeV using a cone-based jet algorithm,” *Phys. Rev. D* **74**, 071103 (2006).
107. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the top quark mass with the dynamical likelihood method using lepton plus jets events with b -tags in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” *Phys. Rev. D* **73**, 092002 (2006).
108. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the helicity of W bosons in top-quark decays,” *Phys. Rev. D* **73**, 111103 (2006).
109. A. Abulencia *et al.* [CDF-II Collaboration], “A search for $t \rightarrow \tau\nu q$ in $t\bar{t}$ production,” *Phys. Lett. B* **639**, 172 (2006).
110. A. Abulencia *et al.* [CDF-II Collaboration], “Top quark mass measurement using the template method in the lepton + jets channel at CDF II,” *Phys. Rev. D* **73**, 032003 (2006).
111. A. Abulencia *et al.* [CDF-II Collaboration], “Direct search for Dirac magnetic monopoles in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” *Phys. Rev. Lett.* **96**, 201801 (2006).
112. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of b hadron masses in exclusive J/ψ decays with the CDF detector,” *Phys. Rev. Lett.* **96**, 202001 (2006).
113. A. Abulencia *et al.* [CDF-II Collaboration], “Measurement of the ratios of branching fractions $\mathcal{B}(B_s^0 \rightarrow D_s^- \pi^+)/\mathcal{B}(B^0 \rightarrow D^- \pi^+)$ and $\mathcal{B}(B^+ \rightarrow \bar{D}^0 \pi^+)/\mathcal{B}(B^0 \rightarrow D^- \pi^+)$,” *Phys. Rev. Lett.* **96**, 191801 (2006).
114. A. Abulencia *et al.* [CDF-II Collaboration], “Search for second-generation scalar leptoquarks in p anti- p collisions at $\sqrt{s} = 1.96$ -TeV,” *Phys. Rev. D* **73**, 051102 (2006).
115. D. Acosta *et al.* [CDF-II Collaboration], “Search for first-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” *Phys. Rev. D* **72** (2005) 051107.

116. D. Acosta *et al.* [CDF-II Collaboration], “A search for supersymmetric Higgs bosons in the di- τ decay mode in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. D **72** (2005) 072004.
117. D. Acosta *et al.* [CDF-II Collaboration], “Search for new physics using high mass τ pairs from 1.96 TeV $p\bar{p}$ collisions,” Phys. Rev. Lett. **95** (2005) 131801.
118. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using lepton plus jets events with semileptonic B decays to muons,” Phys. Rev. D **72** (2005) 032002.
119. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of $\mathcal{B}(t \rightarrow Wb)/\mathcal{B}(t \rightarrow Wq)$ at the Collider Detector at Fermilab,” Phys. Rev. Lett. **95** (2005) 102002.
120. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the cross section for $t\bar{t}$ production in $p\bar{p}$ collisions using the kinematics of lepton + jets events,” Phys. Rev. D **72** (2005) 052003.
121. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the azimuthal angle distribution of leptons from W boson decays as a function of the W transverse momentum in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. D **73** (2006) 052002.
122. D. Acosta *et al.* [CDF-II Collaboration], “Search for Higgs bosons decaying into $b\bar{b}$ and produced in association with a vector boson in proton antiproton collisions at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. Lett. **95** (2005) 051801.
123. D. Acosta *et al.* [CDF-II Collaboration], “Search for $Z Z$ and $Z W$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **71** (2005) 091105.
124. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the W^+W^- production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using dilepton events,” Phys. Rev. Lett. **94** (2005) 211801.
125. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays,” Phys. Rev. D **71** (2005) 051103.
126. D. Acosta *et al.* [CDF-II Collaboration], “First evidence for $B_s^0 \rightarrow \phi\phi$ decay and measurements of branching ratio and A(CP) for $B^+ \rightarrow \phi K^+$,” Phys. Rev. Lett. **95** (2005) 031801.
127. D. Acosta *et al.* [CDF-II Collaboration], “Search for long-lived doubly-charged Higgs bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **95** (2005) 071801.
128. T. Tsuboyama *et al.*, [BELLE SVD Group], “The Silicon Vertex Detector for the super B factory,” Nucl. Instrum. Meth. A **541** (2005) 421.
129. R. Stamen *et al.* [BELLE SVD Group], “Status of the Belle Silicon Vertex Detector,” Nucl. Instrum. Meth. A **541** (2005) 61.
130. R. Abe *et al.* [BELLE SVD Group], “The new beampipe for the Belle experiment,” Nucl. Instrum. Meth. A **535**, 558 (2004).

131. R. Abe *et al.* [BELLE SVD Group], “BELLE/SVD2 status and performance,” Nucl. Instrum. Meth. A **535**, 379 (2004).
132. H. Ishino *et al.* [BELLE SVD Group], “The data acquisition system of the Belle silicon vertex detector (SVD) upgrade,” IEEE Trans. Nucl. Sci. **51**, 2064 (2004).
133. ** T. Ziegler *et al.* [BELLE SVD Group], “The Belle trigger system with the new silicon vertex detector SVD2,” IEEE Trans. Nucl. Sci. **51**, 1852 (2004).
134. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the forward-backward charge asymmetry from $W \rightarrow e\nu$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. D **71**, 051104 (2005).
135. ** W. Adam *et al.* [RD42 Collaboration], “New developments in CVD diamond for detector applications,” Eur. Phys. J. C **33**, S1014 (2004).
136. ** D. Acosta *et al.* [CDF-II Collaboration], “Search for electroweak single top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. D **71**, 012005 (2005).
137. D. Acosta *et al.* [CDF-II Collaboration], “Search for excited and exotic electrons in the $e\gamma$ decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **94**, 101802 (2005).
138. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of $W\gamma$ and $Z\gamma$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **94**, 041803 (2005).
139. M. Friedl *et al.* [BELLE SVD Group], “Readout, First- and Second-Level Triggers of the new Belle Silicon Vertex Detector,” Nucl. Instrum. Meth. A **535**, 491 (2004).
140. ** T. Lari, A. Oh, N. Wermes, H. Kagan, M. Keil and W. Trischuk, “Characterization and Modeling of Non-Uniform Charge Collection in CVD Diamond Pixel Detectors,” Nucl. Instrum. Meth. A **537**, 581 (2005).
141. D. Acosta *et al.* [CDF-II Collaboration], “First measurements of inclusive W and Z cross sections from Run II of the Tevatron collider,” Phys. Rev. Lett. **94**, 091803 (2005).
142. D. Acosta *et al.* [CDF Collaboration], “Comparison of three-jet events in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$ to predictions from a next-to-leading order QCD calculation,” Phys. Rev. D **71**, 032002 (2005).
143. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of partial widths and search for direct CP violation in D^0 meson decays to K^-K^+ and $\pi^-\pi^+$,” Phys. Rev. Lett. **94**, 122001 (2005).
144. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$ using kinematic fitting of b-tagged lepton + jet events,” Phys. Rev. D **71**, 072005 (2005).
145. D. Acosta *et al.* [CDF-II Collaboration], “Search for doubly-charged Higgs bosons decaying to dileptons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **93**, 221802 (2004).

146. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the J/ψ meson and b -hadron production cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1960$ -GeV,” Phys. Rev. D **71**, 032001 (2005).
147. D. Acosta *et al.* [CDF-II Collaboration], “Analysis of decay-time dependence of angular distributions in $B_s^0 \rightarrow J/\psi\phi$ and $B_d^0 \rightarrow J/\psi K^{*0}$ decays and measurement of the lifetime difference between B_s mass eigenstates,” Phys. Rev. Lett. **94**, 101803 (2005).
148. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the cross section for prompt diphoton production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **95**, 022003 (2005).
149. D. Acosta *et al.* [CDF-II Collaboration], “Search for anomalous kinematics in $t\bar{t}$ dilepton events at CDF II,” Phys. Rev. Lett. **95**, 022001 (2005).
150. D. Acosta *et al.* [CDF Collaboration], “Measurements of bottom anti-bottom azimuthal production correlations in proton antiproton collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. D **71**, 092001 (2005).
151. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the forward-backward charge asymmetry of electron positron pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” arXiv:hep-ex/0411059.
152. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of charged particle multiplicities in gluon and quark jets in proton anti-proton collisions at $\sqrt{s} = 1.8$ -TeV,” FERMILAB-PUB-04-113-E.
153. D. Acosta *et al.* [CDF-II Collaboration], “Search for scalar leptoquark pairs decaying to $\nu\bar{\nu}q\bar{q}$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **71**, 112001 (2005), [Erratum-ibid. D **71**, 119901 (2005)].
154. D. Acosta *et al.* [CDF-II Collaboration], “Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models,” Phys. Rev. D **71**, 031104 (2005).
155. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using lepton + jets events with secondary vertex b -tagging,” Phys. Rev. D **71**, 052003 (2005).
156. ** W. Adam *et al.* [RD42 Collaboration], “The development of diamond tracking detectors for the LHC,” Nucl. Instrum. Meth. A **514**, 79 (2003).
157. D. Acosta *et al.* [CDF-II Collaboration], “Inclusive search for anomalous production of high p_T like-sign lepton pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. Lett. **93**, 061802 (2004).
158. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using dilepton events,” Phys. Rev. Lett. **93**, 142001 (2004).

159. D. Acosta *et al.* [CDF-II Collaboration], “Direct photon cross section with conversions at CDF,” Phys. Rev. D **70**, 074008 (2004).
160. V. M. Abazov *et al.* [CDF Collaboration], “Combination of CDF and D0 results on W boson mass and width,” Phys. Rev. D **70**, 092008 (2004).
161. D. Acosta *et al.* [CDF Collaboration], “Measurement of the W boson polarization in top decay at CDF at $\sqrt{s}= 1.8\text{-TeV}$,” Phys. Rev. D **71**, 031101 (2005) [Erratum-ibid. D **71**, 059901 (2005)].
162. D. Acosta *et al.* [CDF-II Collaboration], “The underlying event in hard interactions at the Tevatron anti-p p collider,” Phys. Rev. D **70**, 072002 (2004).
163. D. Acosta *et al.* [CDF-II Collaboration], “Search for $B_s^0 \rightarrow \mu^+\mu^-$ and $B_d^0 \rightarrow \mu^+\mu^-$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **93**, 032001 (2004).
164. D. Acosta *et al.* [CDF-II Collaboration], “Observation of the narrow state $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in anti-p p collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **93**, 072001 (2004).
165. D. Acosta *et al.* [CDF Collaboration], “Measurement of the polar-angle distribution of leptons from W boson decay as a function of the W transverse momentum in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **70**, 032004 (2004).
166. D. Acosta *et al.* [CDF Collaboration], “Inclusive double pomeron exchange at the Fermilab Tevatron $\bar{p}p$ collider,” Phys. Rev. Letter **93**, 141601 (2004).
167. ** D. Acosta *et al.* [CDF-II Collaboration], “Optimized search for single top quark production at the Fermilab Tevatron,” Phys. Rev. D **69**, 052003 (2004).
168. ** W. Adam *et al.* [RD42 Collaboration], “Status Of The R & D Activity On Diamond Particle Detectors,” Nucl. Instrum. Meth. A **511**, 124 (2003).
169. D. Acosta *et al.* [CDF Collaboration], “Measurement of the average time-integrated mixing probability of b -flavored hadrons produced at the Tevatron,” Phys. Rev. D **69**, 012002 (2004)
170. D. Acosta *et al.* [CDF-II Collaboration], “Search for the flavour-changing neutral current decay $D^0 \rightarrow \mu + \mu^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. D **68**, 091101 (2003).
171. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the mass difference $m(D_s^+) - m(D^+)$ at CDF II,” Phys. Rev. D **68**, 072004 (2003).
172. D. Acosta *et al.* [CDF-II Collaboration], “Measurement of prompt charm meson production cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **91**, 241804 (2003)
173. D. Acosta *et al.* [CDF Collaboration], “Search for pair production of scalar top quarks in R-parity violating decay modes in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **92**, 051803 (2004).

174. D. Acosta *et al.* [CDF Collaboration], “Search for associated production of Υ and vector boson in $p\bar{p}$ collisions At $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **90**, 221803 (2003).
175. ** M. Keil *et al.* [RD42 Collaboration], “New results on Diamond pixel sensors using ATLAS front end electronics,” Nucl. Instrum. Meth. A **501**, 153 (2003).
176. D. Acosta *et al.* [CDF Collaboration], “Search for the supersymmetric partner of the top quark in dilepton events from $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **90**, 251801 (2003).
177. ** W. Trischuk [BELLE Collaboration], “Measurement of CP asymmetries at BELLE,” eConf **C020805**, TW02 (2002) [arXiv:hep-ex/0212059].
178. D. Acosta *et al.* [CDF Collaboration], “Cross section for forward J/ψ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{ TeV}$,” Phys. Rev. D **66**, 092001 (2002).
179. D. Acosta *et al.* [CDF Collaboration], “Search for long-lived charged massive particles in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **90**, 131801 (2003).
180. D. Acosta *et al.* [CDF Collaboration], “Search for a W' boson decaying to a top and bottom quark pair in 1.8-TeV $p\bar{p}$ collisions,” Phys. Rev. Lett. **90**, 081802 (2003).
181. D. Acosta *et al.* [CDF Collaboration], “Search for radiative b -hadron decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **66**, 112002 (2002).
182. ** J. Kaneko *et al.* [BELLE Collaboration], “Measurement of the electroweak penguin process $B \rightarrow X_s l^+ l^-$,” Phys. Rev. Lett. **90**, 021801 (2003).
183. D. Acosta *et al.* [CDF Collaboration], “Momentum distribution of charged particles in jets in dijet events in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$ and comparisons to perturbative QCD predictions,” Phys. Rev. D **68**, 012003 (2003).
184. ** K. Abe *et al.* [BELLE Collaboration], “An improved measurement of mixing-induced CP violation in the neutral B meson system,” Phys. Rev. D **66**, 071102 (2002)
185. D. Acosta *et al.* [CDF Collaboration], “Limits on extra dimensions and new particle production in the exclusive photon and missing energy signature in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **89**, 281801 (2002).
186. T. Affolder *et al.* [CDF Collaboration], “Charged jet evolution and the underlying event in proton-antiproton collision \sqrt{s} at 1.8 TeV,” Phys. Rev. D **65**, 092002 (2002).
187. D. Acosta *et al.* [CDF Collaboration], section $d\sigma/dp_T$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **65**, 052005 (2002).
188. ** W. Adam *et al.* [RD42 Collaboration], “Radiation tolerance of CVD diamond detectors for pions and protons,” Nucl. Instrum. Meth. A **476**, 686 (2002).

189. D. Acosta *et al.* [CDF Collaboration], “Measurement of B -meson lifetimes using fully reconstructed B decays produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. D **65**, 092009 (2002).
190. ** K. Abe *et al.* [BELLE Collaboration], “Observation of double $c\bar{c}$ production in e^+e^- annihilation at $\sqrt{s} = 10.6$ -GeV,” Phys. Rev. Lett. **89**, 142001 (2002).
191. D. Acosta *et al.* [CDF Collaboration], “Branching ratio measurements of exclusive B^+ decays to charmonium with the Collider Detector at Fermilab,” Phys. Rev. D **66**, 052005 (2002).
192. D. Acosta *et al.* [CDF Collaboration], “Measurement of the ratio of b quark production cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 630$ -GeV and $\sqrt{s} = 1800$ -GeV,” Phys. Rev. D **66**, 032002 (2002).
193. ** K. F. Chen *et al.* [BELLE Collaboration], “Measurement of CP-violating parameters in $B \rightarrow \eta'K$ decays,” Phys. Lett. B **546**, 196 (2002).
194. ** K. Abe *et al.* [BELLE Collaboration], “Improved measurement of mixing-induced CP violation in the neutral B meson system,” Phys. Rev. D **66**, 071102(R) (2002).
195. T. Affolder *et al.* [CDF Collaboration], “Diffractive dijet production at $\sqrt{s} = 630$ -GeV and 1800-GeV at the Fermilab Tevatron,” Phys. Rev. Lett. **88**, 151802 (2002).
196. D. Acosta *et al.* [CDF Collaboration], “Search for new physics in photon lepton events in proton antiproton collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. D **66**, 012004 (2002)
197. D. Acosta *et al.* [CDF Collaboration], “Search for the decay $B_s^0 \rightarrow \mu^+\mu^-\phi$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. D **65**, 111101 (2002).
198. D. Acosta *et al.* [CDF Collaboration], “Search for single-top-quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. D **65**, 091102 (2002)
199. D. Acosta *et al.* [CDF Collaboration], “Comparison of the isolated direct photon cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV and $\sqrt{s} = 0.63$ -TeV,” Phys. Rev. D **65**, 112003 (2002)
200. ** K. Abe *et al.* [Belle Collaboration], “Observation of mixing-induced CP violation in the neutral B meson system,” Phys. Rev. D **66**, 032007 (2002)
201. D. Acosta *et al.* [CDF Collaboration], “Search for new physics in photon lepton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. Lett. **89**, 041802 (2002)
202. ** K. Abe *et al.* [BELLE Collaboration], “Measurement of CP-violating asymmetries in $B^0 \rightarrow \pi^+\pi^-$ decays,” Phys. Rev. Lett. **89**, 071801 (2002).
203. D. Acosta *et al.* [CDF Collaboration], “Upsilon production and polarization in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. Lett. **88**, 161802 (2002).

204. D. Acosta *et al.* [CDF Collaboration], “Soft and hard interactions in $p \bar{p}$ collisions at $\sqrt{s} = 1800\text{-GeV}$ and 630-GeV ,” Phys. Rev. D **65**, 072005 (2002).
205. ** K. Abe *et al.* [BELLE Collaboration], “Production of prompt charmonia in $e^+ e^-$ annihilation at $\sqrt{s} = 10.6\text{-GeV}$,” Phys. Rev. Lett. **88**, 052001 (2002).
206. D. Acosta *et al.* [CDF Collaboration], “Study of the heavy flavor content of jets produced in association with W bosons in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **65**, 052007 (2002).
207. T. Affolder *et al.* [CDF Collaboration], “Measurement of the strong coupling constant from inclusive jet production at the Tevatron $\bar{p} p$ collider,” Phys. Rev. Lett. **88**, 042001 (2002).
208. T. Affolder *et al.* [CDF Collaboration], “A Study of $B^0 \rightarrow J/\psi K^{(*)0} \pi^+ \pi^-$ decays with the Collider Detector at Fermilab,” Phys. Rev. Lett. **88**, 071801 (2002).
209. ** W. Adam *et al.* [RD42 Collaboration], “Diamond Pixel Detectors,” Nucl. Instrum. Meth. A **465**, 88 (2000).
210. T. Affolder *et al.* [CDF Collaboration], “Search for new heavy particles in the $W Z^0$ final state in $p\bar{p}$ collisions at $\sqrt{s} = 1.8 \text{ TeV}$,” Phys. Rev. Lett. **88**, 071806 (2002).
211. T. Affolder *et al.* [CDF Collaboration], “Observation of diffractive J/ψ production at the Fermilab Tevatron,” Phys. Rev. Lett. **87**, 241802 (2001).
212. T. Affolder *et al.* [CDF Collaboration], “Double diffraction dissociation at the Fermilab Tevatron collider,” Phys. Rev. Lett. **87**, 141802 (2001).
213. T. Affolder *et al.* [CDF Collaboration], “Charged particle multiplicity in jets in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **87**, 211804 (2001).
214. T. Affolder *et al.* [CDF Collaboration], “Search for quark lepton compositeness and a heavy W' boson using the $e\nu$ channel in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **87**, 231803 (2001).
215. T. Affolder *et al.* [CDF Collaboration], “Searches for new physics in events with a photon and b -quark jet at CDF,” Phys. Rev. D **65**, 052006 (2002).
216. T. Affolder *et al.* [CDF Collaboration], “Search for gluinos and squarks using like-sign dileptons in $p \bar{p}$ collisions $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **87**, 251803 (2001).
217. T. Affolder *et al.* [CDF Collaboration], “Measurement of $d\sigma/dM$ forward-backward charge asymmetry for high mass Drell-Yan $e^+ e^-$ pairs from $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **87**, 131802 (2001).
218. T. Affolder *et al.* [CDF Collaboration], “Cross section and heavy quark composition of $\gamma + \mu$ events produced in $p \bar{p}$ collisions,” Phys. Rev. D **65**, 012003 (2002).

219. T. Affolder *et al.* [CDF Collaboration], “Search for gluinos and scalar quarks in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$ using the missing energy plus multijets signature,” *Phys. Rev. Lett.* **88**, 041801 (2002).
220. T. Affolder *et al.* [CDF Collaboration], “Production of χ_{c1} and χ_{c2} in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **86**, 3963 (2001).
221. T. Affolder *et al.* [CDF Collaboration], “Search for narrow diphoton resonances and for $\gamma\gamma + W/Z$ signatures in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **64**, 092002 (2001).
222. T. Affolder *et al.* [CDF Collaboration], “Measurement of the inclusive jet cross section in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **64**, 032001 (2001). [Erratum-*ibid.* *D* **65**, 039903 (2001)]
223. T. Affolder *et al.* [CDF Collaboration], “Measurement of the $t\bar{t}$ production cross section in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **64**, 032002 (2001).
224. T. Affolder *et al.* [CDF Collaboration], “First measurement of the ratio $\mathcal{B}(t \rightarrow Wb)/\mathcal{B}(t \rightarrow Wq)$ and associated limit on the CKM element $|V_{tb}|$,” *Phys. Rev. Lett.* **86**, 3233 (2001).
225. T. Affolder *et al.* [CDF Collaboration], “Measurement of the two-jet differential cross section in proton antiproton collisions at $\sqrt{s} = 1800\text{-GeV}$,” *Phys. Rev. D* **64**, 012001 (2001). [Erratum-*ibid.* *D* **65**, 039902 (2001)]
226. T. Affolder *et al.* [CDF Collaboration], “Measurement of the top quark p_T distribution,” *Phys. Rev. Lett.* **87**, 102001 (2001).
227. T. Affolder *et al.* [CDF Collaboration], “Search for the supersymmetric partner of the top quark in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **63**, 091101 (2001).
228. T. Affolder *et al.* [CDF Collaboration], “Search for neutral supersymmetric Higgs bosons in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **86**, 4472 (2001).
229. T. Affolder *et al.* [CDF Collaboration], “Test of enhanced leading order QCD in W boson plus jets events from 1.8-TeV $\bar{p} p$ collisions,” *Phys. Rev. D* **63**, 072003 (2001).
230. W. Adam *et al.* [RD42 Collaboration], “Performance of irradiated CVD diamond micro-strip sensors,” *Nucl. Instrum. Meth. A* **476**, 706 (2002).
231. W. Adam *et al.* [RD42 Collaboration], “Pulse height distribution and radiation tolerance of CVD Diamond detectors,” *Nucl. Instrum. Meth. A* **447**, 244 (2000).
232. F. Hartjes *et al.* [RD42 Collaboration], “Parameterisation Of radiation effects on CVD Diamond for proton irradiation,” *Nucl. Phys. Proc. Suppl.* **78**, 675 (1999).
233. R. Wedenig *et al.* [RD42 Collaboration], “CVD Diamond pixel detectors for LHC experiments,” *Nucl. Phys. Proc. Suppl.* **78**, 497 (1999).

234. W. Adam *et al.* [RD42 Collaboration], “Recent results with CVD Diamond trackers,” Nucl. Phys. Proc. Suppl. **78**, 329 (1999).
235. J. Armitage *et al.* [ATLAS-Canada Collaboration], “Construction and initial beam tests of the ATLAS Tungsten forward calorimeter,” Nucl. Phys. Proc. Suppl. **78**, 171 (1999).
236. T. Affolder *et al.* [CDF Collaboration], “Measurement of the W boson mass with the Collider Detector at Fermilab,” Phys. Rev. D **64**, 052001 (2001).
237. T. Affolder *et al.* [CDF Collaboration], “Measurement of the decay amplitudes of $B^0 \rightarrow J/\psi K^{*0}$ and $B_s^0 \rightarrow J/\psi \phi$ decays,” Phys. Rev. Lett. **85**, 4668 (2000).
238. T. Affolder *et al.* [CDF Collaboration], “Measurement of the top quark mass with the Collider Detector at Fermilab,” Phys. Rev. D **63**, 032003 (2001).
239. T. Affolder *et al.* [CDF Collaboration], “Measurement of $d\sigma/dy$ for high mass Drell-Yan $e^+ e^-$ pairs from $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **63**, 011101 (2001).
240. T. Affolder *et al.* [CDF Collaboration], “Dijet production by double pomeron exchange at the Fermilab Tevatron,” Phys. Rev. Lett. **85**, 4215 (2000).
241. ** T. Affolder *et al.* [CDF Collaboration], “Measurement of J/ψ and $\psi(2S)$ polarization in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **85**, 2886 (2000).
242. T. Affolder *et al.* [CDF Collaboration], “Search For color singlet technicolor particles in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **84**, 1110 (2000).
243. T. Affolder *et al.* [CDF Collaboration], “Direct measurement of the W boson width in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **85**, 3347 (2000).
244. W. Adam *et al.* [RD42 Collaboration], “Micro-strip sensors based on CVD diamond,” Nucl. Instrum. Meth. A **453**, 141 (2000).
245. T. Affolder *et al.* [CDF Collaboration], “Search for second and third generation leptoquarks including production via technicolor interactions in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **85**, 2056 (2000).
246. T. Affolder *et al.* [CDF Collaboration], “Limits on gravitino production and new processes with large missing transverse energy in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **85**, 1378 (2000).
247. T. Affolder *et al.* [CDF Collaboration], “Diffractive dijets with a leading antiproton in $p \bar{p}$ collisions at $\sqrt{s} = 1800\text{-GeV}$,” Phys. Rev. Lett. **84**, 5043 (2000).
248. T. Affolder *et al.* [CDF Collaboration], “Search for new particles decaying to $t\bar{t}$ in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **85**, 2062 (2000).
249. M. Friedl *et al.* [RD42 Collaboration], “CVD Diamond detectors for ionizing radiation,” Nucl. Instrum. Meth. A **435**, 194 (1999).

250. ** W. Adam *et al.* [RD42 Collaboration], “The first bump bonded pixel detectors on CVD Diamond,” Nucl. Instrum. Meth. A **436**, 326 (1999).
251. ** T. Affolder *et al.* [CDF Collaboration], “A measurement of the differential dijet mass cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **61**, 091101 (2000).
252. T. Affolder *et al.* [CDF Collaboration], “Search for scalar top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **84**, 5273 (2000).
253. T. Affolder *et al.* [CDF Collaboration], “Observation of orbitally excited B mesons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **64**, 072002 (2001).
254. T. Affolder *et al.* [CDF Collaboration], “Search for the charged Higgs boson in the decays of top quark pairs in the $e\tau$ and $\mu\tau$ channels at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **62**, 012004 (2000).
255. W. Adam *et al.* [RD42 Collaboration], “Review of the development of Diamond radiation sensors,” Nucl. Instrum. Meth. A **434**, 131 (1999).
256. T. Affolder *et al.* [CDF Collaboration], “Search for scalar top and scalar bottom quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **84**, 5704 (2000).
257. T. Affolder *et al.* [CDF Collaboration], “Production of Upsilon(1S) mesons from χ_b decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **84**, 2094 (2000).
258. ** F. Abe *et al.* [CDF Collaboration], “Measurement of b quark fragmentation fractions in the production of strange and light B mesons in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{-TeV}$,” Phys. Rev. D **60**, 092005 (1999).
259. F. Abe *et al.* [CDF Collaboration], “Search for a W' boson via the decay mode $W' \rightarrow \mu\nu_\mu$ in 1.8-TeV $p\bar{p}$ collisions,” Phys. Rev. Lett. **84**, 5716 (2000).
260. T. Affolder *et al.* [CDF Collaboration], “Measurement of the helicity of W bosons in top quark decays,” Phys. Rev. Lett. **84**, 216 (2000).
261. S. Schnetzer *et al.*, “Tracking with CVD Diamond radiation sensors at high luminosity colliders,” IEEE Trans. Nucl. Sci. **46**, 193 (1999).
262. T. Affolder *et al.* [CDF Collaboration], “Search for a fourth-generation quark more massive than the Z^0 boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **84**, 835 (2000).
263. T. Affolder *et al.* [CDF Collaboration], “Measurement of b quark fragmentation fractions in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **84**, 1663 (2000).
264. T. Affolder *et al.* [CDF Collaboration], “A measurement of $\sin(2\beta)$ from $B \rightarrow J/\psi K_S^0$ with the CDF detector,” Phys. Rev. D **61**, 072005 (2000).

265. T. Affolder *et al.* [CDF Collaboration], “The transverse momentum and total cross section of $e^+ e^-$ pairs in the Z boson region from $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **84**, 845 (2000).
266. T. Affolder *et al.* [CDF Collaboration], “Observation of diffractive beauty production at the Fermilab Tevatron,” *Phys. Rev. Lett.* **84**, 232 (2000).
267. T. Affolder *et al.* [CDF Collaboration], “Measurement of the $B^0 \bar{B}^0$ oscillation frequency using $l^- D^{*+}$ pairs and lepton flavor tags,” *Phys. Rev. D* **60**, 112004 (1999).
268. T. Affolder *et al.* [CDF Collaboration], “Search for the flavor-changing neutral current decays $B^+ \rightarrow \mu^+ \mu^- K^+$ and $B^0 \rightarrow \mu^+ \mu^- K^{*0}$,” *Phys. Rev. Lett.* **83**, 3378 (1999).
269. C. Bauer *et al.*, “Recent results from the RD42 Diamond detector collaboration,” *Nucl. Instrum. Meth. A* **383**, 64 (1996).
270. F. Abe *et al.* [The CDF Collaboration], “Measurement of the $B^0 \bar{B}^0$ oscillation frequency using dimuon data in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **60**, 051101 (1999).
271. F. Abe *et al.* [CDF Collaboration], “Measurement of $B^0 \bar{B}^0$ flavor oscillations using jet-charge and lepton flavor tagging in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **60**, 072003 (1999).
272. F. Abe *et al.* [CDF Collaboration], “A search for $B_s^0 \bar{B}_s^0$ oscillations using the semileptonic decay $B_s^0 \rightarrow \phi l^+ X \nu$,” *Phys. Rev. Lett.* **82**, 3576 (1999).
273. C. Bauer *et al.* [RD42 Collaboration], “Radiation hardness studies of CVD Diamond detectors,” *Nucl. Instrum. Meth. A* **367**, 207 (1995).
274. C. Bauer *et al.* [RD42 Collaboration], “Recent results from Diamond microstrip detectors,” *Nucl. Instrum. Meth. A* **367**, 202 (1995).
275. F. Abe *et al.* [CDF Collaboration], “Measurement of $b\bar{b}$ rapidity correlations in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **61**, 032001 (2000).
276. F. Abe *et al.* [CDF Collaboration], “Search for R-parity violating supersymmetry using like-sign dielectrons in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **83**, 2133 (1999).
277. F. Abe *et al.* [CDF Collaboration], “Events with a rapidity gap between jets in $\bar{p} p$ collisions at $\sqrt{s} = 630\text{-GeV}$,” *Phys. Rev. Lett.* **81**, 5278 (1998).
278. F. Abe *et al.* [CDF Collaboration], “Search for third-generation leptoquarks from technicolor models in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **82**, 3206 (1999).
279. F. Abe *et al.* [CDF Collaboration], “Kinematics of $t\bar{t}$ events at CDF,” *Phys. Rev. D* **59**, 092001 (1999).
280. F. Abe *et al.* [CDF Collaboration], “Search for a technicolor Ω_T particle in events with a photon and a b quark jet at CDF,” *Phys. Rev. Lett.* **83**, 3124 (1999).

281. F. Abe *et al.* [CDF Collaboration], “Measurement of the top quark mass with the Collider Detector at Fermilab,” *Phys. Rev. Lett.* **82**, 271 (1999). [Erratum-ibid. **82**, 2808 (1999)]
282. P. Weilhammer *et al.* [RD42 Collaboration], “Recent results on CVD diamond radiation sensors,” *Nucl. Instrum. Meth. A* **409**, 264 (1998).
283. F. Abe *et al.* [CDF Collaboration], “Measurement of Z^0 and Drell-Yan production cross section using dimuons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **59**, 052002 (1999).
284. F. Abe *et al.* [CDF Collaboration], “Search for new particles decaying to $b\bar{b}$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **82**, 2038 (1999).
285. F. Abe *et al.* [CDF Collaboration], “Search for the decays $B^0, B_s^0 \rightarrow e^{+/-} \mu^{-/+}$ and Pati-Salam leptoquarks,” *Phys. Rev. Lett.* **81**, 5742 (1998).
286. F. Abe *et al.* [CDF Collaboration], “Measurement of the lepton charge asymmetry in W boson decays produced in $p\bar{p}$ collisions,” *Phys. Rev. Lett.* **81**, 5754 (1998).
287. F. Abe *et al.* [CDF Collaboration], “Search for Higgs bosons produced in association with a vector boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **81**, 5748 (1998).
288. M. Zoeller *et al.* [RD42 Collaboration], “Performance of CVD Diamond microstrip detectors under particle irradiation,” *IEEE Trans. Nucl. Sci.* **44**, 815 (1997).
289. F. Abe *et al.* [CDF Collaboration], “Measurement of the B_s^0 meson lifetime using semileptonic decays,” *Phys. Rev. D* **59**, 032004 (1999).
290. F. Abe *et al.* [CDF Collaboration], “Search for second generation leptoquarks in the dimuon plus dijet channel of $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **81**, 4806 (1998).
291. F. Abe *et al.* [CDF Collaboration], “Searches for new physics in diphoton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **59**, 092002 (1999).
292. F. Abe *et al.* [CDF Collaboration], “Measurement of the $B^0\bar{B}^0$ flavor oscillation frequency and study of same side flavor tagging of B mesons in $p\bar{p}$ collisions,” *Phys. Rev. D* **59**, 032001 (1999).
293. F. Abe *et al.* [CDF Collaboration], “Measurement of the CP-violation parameter $\sin(2\beta)$ in $B^0, \bar{B}^0 \rightarrow J/\psi K_S^0$ decays,” *Phys. Rev. Lett.* **81**, 5513 (1998).
294. F. Abe *et al.* [CDF Collaboration], “Improved measurement of the B^- and \bar{B}^0 meson lifetimes using semileptonic decays,” *Phys. Rev. D* **58**, 092002 (1998).
295. D. Meier *et al.* [RD42 Collaboration], “Proton irradiation of CVD diamond detectors for high-luminosity experiments at the LHC,” *Nucl. Instrum. Meth. A* **426**, 173 (1999).
296. F. Abe *et al.* [CDF Collaboration], “Observation of the B_c^+ meson in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **81**, 2432 (1998).

297. F. Abe *et al.* [The CDF Collaboration], “Search for long-lived parents of Z^0 bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **58**, 051102 (1998).
298. F. Abe *et al.* [CDF Collaborations], “Measurement of the $\sigma(W + \geq 1 \text{ jet})/\sigma(W)$ cross section ratio from $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **81**, 1367 (1998).
299. F. Abe *et al.* [CDF Collaboration], “Observation of B_c^+ mesons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **58**, 112004 (1998).
300. F. Abe *et al.* [CDF Collaboration], “Search for the rare decay $W^\pm \rightarrow D_s^\pm \gamma$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **58**, 091101 (1998).
301. F. Abe *et al.* [CDF Collaboration], “Search For the rare Decay $W^\pm \rightarrow \pi^\pm + \gamma$ in proton antiproton collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **58**, 031101 (1998).
302. ** F. Abe *et al.* [CDF Collaboration], “Observation of $B^+ \rightarrow \psi(2S)K^+$ and $B^0 \rightarrow \psi(2S)K^{*0}(892)$ decays and measurements of B meson branching fractions into J/ψ and $\psi(2S)$ final states,” Phys. Rev. D **58**, 072001 (1998).
303. F. Abe *et al.* [CDF collaboration], “Search for chargino neutralino associated production at the Fermilab Tevatron Collider,” Phys. Rev. Lett. **80**, 5275 (1998).
304. F. Abe *et al.* [CDF Collaboration], “Searches for new physics in diphoton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **81**, 1791 (1998).
305. F. Abe *et al.* [CDF Collaboration], “Jet pseudorapidity distribution in direct photon events in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **57**, 1359 (1998).
306. F. Abe *et al.* [CDF Collaboration], “Search for the decays $B^0 \rightarrow \mu^+\mu^-$ and $B_s^0 \rightarrow \mu^+\mu^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **57**, 3811 (1998).
307. F. Abe *et al.* [CDF Collaboration], “Observation of hadronic W decays in $t\bar{t}$ events with the Collider Detector at Fermilab,” Phys. Rev. Lett. **80**, 5720 (1998).
308. W. Adam *et al.* [RD42 Collaboration], “Status of diamond particle detectors,” Nucl. Instrum. Meth. A **418**, 197 (1998).
309. F. Abe *et al.* [CDF Collaboration], “Measurement of B hadron lifetimes using J/ψ final states at CDF,” Phys. Rev. D **57**, 5382 (1998).
310. F. Abe *et al.* [CDF Collaboration], “Measurement of the top quark mass and $t\bar{t}$ production cross section from dilepton events at the Collider Detector at Fermilab,” Phys. Rev. Lett. **80**, 2779 (1998).
311. F. Abe *et al.* [CDF Collaboration], “Measurement of the top quark mass,” Phys. Rev. Lett. **80**, 2767 (1998).
312. F. Abe *et al.* [CDF Collaboration], “Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **80**, 2773 (1998).

313. F. Abe *et al.* [CDF Collaboration], “Measurement of the $B^0\bar{B}^0$ oscillation frequency using πB meson charge-flavor correlations in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **80**, 2057 (1998).
314. F. Abe *et al.* [CDF Collaboration], “Search for flavor-changing neutral current decays of the top quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **80**, 2525 (1998).
315. F. Abe *et al.* [CDF Collaboration], “Properties of jets in W boson events from 1.8-TeV $\bar{p}p$ collisions,” Phys. Rev. Lett. **79**, 4760 (1997).
316. F. Abe *et al.* [CDF Collaboration], “Measurement of the differential cross section for events with large total transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **80**, 3461 (1998).
317. F. Abe *et al.* [CDF Collaboration], “Dijet production by color-singlet exchange at the Fermilab Tevatron,” Phys. Rev. Lett. **80**, 1156 (1998).
318. F. Abe *et al.* [CDF Collaboration], “Search for first generation leptoquark pair production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **79**, 4327 (1997).
319. F. Abe *et al.* [CDF Collaboration], “Search for new particles decaying into $b\bar{b}$ and produced in association with W bosons decaying into $e\nu$ or $\mu\nu$ at the Tevatron,” Phys. Rev. Lett. **79**, 3819 (1997).
320. F. Abe *et al.* [CDF Collaboration], “Limits on quark-lepton compositeness scales from dileptons produced in 1.8-TeV $p\bar{p}$ collisions,” Phys. Rev. Lett. **79**, 2198 (1997).
321. F. Abe *et al.* [CDF Collaboration], “Search for new gauge bosons decaying into dileptons in $\bar{p}p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **79**, 2192 (1997).
322. D. Husson *et al.*, “Neutron irradiation of CVD diamond samples for tracking detectors,” Nucl. Instrum. Meth. A **388**, 421 (1997).
323. F. Abe *et al.* [CDF Collaboration], “Properties of photon plus two-jet events in $\bar{p}p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **57**, 67 (1998).
324. F. Abe *et al.* [CDF Collaboration], “Properties of six-jet events with large six-jet mass at the Fermilab proton anti-proton collider,” Phys. Rev. D **56**, 2532 (1997).
325. F. Abe *et al.* [CDF Collaboration], “Double parton scattering in $\bar{p}p$ collisions at $\sqrt{s} = 1.8\text{ TeV}$,” Phys. Rev. D **56**, 3811 (1997).
326. F. Abe *et al.* [CDF Collaboration], “The $\mu\tau$ and $e\tau$ decays of top quark pairs produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **79**, 3585 (1997).
327. F. Abe *et al.* [CDF Collaboration], “Measurement of double parton scattering in $\bar{p}p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **79**, 584 (1997).
328. F. Abe *et al.* [CDF Collaboration], “Search for charged Higgs decays of the top quark using hadronic decays of the tau lepton,” Phys. Rev. Lett. **79**, 357 (1997).

329. F. Abe *et al.* [CDF Collaboration], “First observation of the all hadronic decay of $t\bar{t}$ pairs,” Phys. Rev. Lett. **79**, 1992 (1997).
330. F. Abe *et al.* [CDF Collaboration], “Measurement of diffractive dijet production at the Tevatron,” Phys. Rev. Lett. **79**, 2636 (1997).
331. D. Husson *et al.* [RD42 Collaboration], “Neutron irradiation of CVD Diamond samples for tracking detectors,” Nucl. Instrum. Meth. A **388**, 421 (1997).
332. F. Abe *et al.* [CDF Collaboration], “Production of J/ψ mesons from χ_c meson decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **79**, 578 (1997).
333. F. Abe *et al.* [CDF Collaboration], “Search for gluinos and squarks at the Fermilab Tevatron collider,” Phys. Rev. D **56**, 1357 (1997).
334. F. Abe *et al.* [CDF Collaboration], “ J/ψ and $\psi(2S)$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **79**, 572 (1997).
335. F. Abe *et al.* [CDF Collaboration], “Observation of diffractive W boson production at the Tevatron,” Phys. Rev. Lett. **78**, 2698 (1997).
336. F. Abe *et al.* [CDF Collaboration], “Search for new particles decaying to dijets at CDF,” Phys. Rev. D **55**, 5263 (1997).
337. ** P. Abreu *et al.* [DELPHI Collaboration], “A precise measurement of the B^0 meson lifetime using a new technique,” Z. Phys. C **74**, 19 (1997) [Erratum-ibid. C **75**, 579 (1997)].
338. W. Adam *et al.* [DELPHI Collaboration], “Search for pair production of heavy objects in 4-jet events at $\sqrt{s} = 130\text{-GeV}$ to 136-GeV ,” Z. Phys. C **73**, 1 (1996).
339. P. Abreu *et al.* [DELPHI Collaboration], “An upper limit for $\mathcal{B}(Z^0 \rightarrow ggg)$ from symmetric 3-jet Z^0 hadronic decays,” Phys. Lett. B **389**, 405 (1996).
340. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of event shape and inclusive distributions at $\sqrt{s} = 130\text{-GeV}$ and 136-GeV ,” Z. Phys. C **73**, 229 (1997).
341. P. Abreu *et al.* [DELPHI Collaboration], “Search for lepton flavour number violating Z^0 decays,” Z. Phys. C **73**, 243 (1997).
342. P. Abreu *et al.* [DELPHI Collaboration], “Tuning and test of fragmentation models based on identified particles and precision event shape data,” Z. Phys. C **73**, 11 (1996).
343. P. Abreu *et al.* [DELPHI Collaboration], “Search for neutralinos, scalar leptons and scalar quarks in e^+e^- interactions at $\sqrt{s} = 130\text{-GeV}$ and 136-GeV ,” Phys. Lett. B **387**, 651 (1996).
344. W. Adam *et al.* [DELPHI Collaboration], “Study of rare b decays with the DELPHI detector at LEP,” Z. Phys. C **72**, 207 (1996).

345. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of inclusive $K^{*0}(892)$, ϕ and $K_2^{*0}(1430)$ production in hadronic Z decays,” *Z. Phys. C* **73**, 61 (1996).
346. P. Abreu *et al.* [DELPHI Collaboration], “Search for high mass $\gamma\gamma$ resonances in $e^+e^- \rightarrow l^+l^-\gamma\gamma, \nu\bar{\nu}\gamma\gamma$ and $q\bar{q}\gamma\gamma$ at LEP I,” *Z. Phys. C* **72**, 179 (1996).
347. P. Abreu *et al.* [DELPHI Collaboration], “Search for the lightest chargino at $\sqrt{s} = 130$ -GeV and 136-GeV in DELPHI,” *Phys. Lett. B* **382**, 323 (1996).
348. P. Abreu *et al.* [DELPHI Collaboration], “Study of radiative leptonic events with hard photons and search for excited charged leptons at $\sqrt{s} = 130$ -GeV to 136-GeV,” *Phys. Lett. B* **380**, 480 (1996).
349. W. Adam *et al.* [DELPHI Collaboration], “Search for anomalous production of single photons at $\sqrt{s} = 130$ -GeV and 136-GeV,” *Phys. Lett. B* **380**, 471 (1996).
350. P. Abreu *et al.* [DELPHI Collaboration], “Kaon interference in the hadronic decays of the Z^0 ,” *Phys. Lett. B* **379**, 330 (1996).
351. P. Abreu *et al.* [DELPHI Collaboration], “First study of the interference between initial and final state radiation at the Z resonance,” *Z. Phys. C* **72**, 31 (1996).
352. P. Abreu *et al.* [DELPHI Collaboration], “Mean lifetime of the B_s^0 meson,” *Z. Phys. C* **71**, 11 (1996).
353. P. Abreu *et al.* [DELPHI Collaboration], “First measurement of $f_2'(1525)$ production in Z^0 hadronic decays,” *Phys. Lett. B* **379**, 309 (1996).
354. P. Abreu *et al.* [DELPHI Collaboration], “Determination of the average lifetime of b baryons,” *Z. Phys. C* **71**, 199 (1996).
355. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the partial decay width $R(b) = \Gamma(b\bar{b}) / \Gamma(\text{had})$ of the Z with the DELPHI detector at LEP,” *Z. Phys. C* **70**, 531 (1996).
356. P. Abreu *et al.* [DELPHI Collaboration], “Search for exclusive decays of the Λ_b baryon and measurement of its mass,” *Phys. Lett. B* **374**, 351 (1996).
357. P. Abreu *et al.* [DELPHI Collaboration], “Determination of $|V(\text{cb})|$ from the semileptonic decay $B^0 \rightarrow D^{*-}$ lepton - neutrino,” *Z. Phys. C* **71**, 539 (1996).
358. W. Adam *et al.* [DELPHI Collaboration], “Production of Σ_0 and Ω^- in Z decays,” *Z. Phys. C* **70**, 371 (1996).
359. P. Abreu *et al.* [DELPHI Collaboration], “Updated precision measurement of the average lifetime of B hadrons,” *Phys. Lett. B* **377**, 195 (1996).
360. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the B^0 oscillation frequency using kaons, leptons and jet charge,” *Z. Phys. C* **72**, 17 (1996).

361. P. Abreu *et al.* [DELPHI Collaboration], “Search for new phenomena using single photon events in the DELPHI detector at LEP,” *Z. Phys. C* **74**, 577 (1997).
362. P. Abreu *et al.* [DELPHI Collaboration], “Charged particle multiplicity in $e^+ e^-$ interactions at $\sqrt{s} = 130\text{-GeV}$,” *Phys. Lett. B* **372**, 172 (1996).
363. ** P. Abreu *et al.* [DELPHI Collaboration], “Performance of the DELPHI detector,” *Nucl. Instrum. Meth. A* **378**, 57 (1996).
364. P. Abreu *et al.* [DELPHI Collaboration], “Energy dependence of the differences between the quark and gluon jet fragmentation,” *Z. Phys. C* **70**, 179 (1996).
365. ** P. Abreu *et al.* [DELPHI Collaboration], “A Precise measurement of the tau lepton lifetime,” *Phys. Lett. B* **365**, 448 (1996).
366. P. Abreu *et al.* [DELPHI Collaboration], “Search for promptly produced heavy quarkonium states in hadronic Z decays,” *Z. Phys. C* **69**, 575 (1996).
367. W. Adam *et al.* [DELPHI Collaboration], “Measurement of inclusive π^0 production in hadronic Z^0 decays,” *Z. Phys. C* **69**, 561 (1996).
368. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of $\Delta^{++}(1232)$ production in hadronic Z decays,” *Phys. Lett. B* **361**, 207 (1995).
369. P. Abreu *et al.* [DELPHI Collaboration], “Upper limits on the branching ratios $\tau \rightarrow \mu\gamma$ and $\tau \rightarrow e\gamma$,” *Phys. Lett. B* **359**, 411 (1995).
370. ** P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of the tau leptonic branching fractions,” *Phys. Lett. B* **357**, 715 (1995).
371. P. Abreu *et al.* [DELPHI Collaboration], “Study of prompt photon production in hadronic Z^0 decays,” *Z. Phys. C* **69**, 1 (1995).
372. P. Abreu *et al.* [DELPHI Collaboration], “Search for exclusive charmless B meson decays with the DELPHI detector at LEP,” *Phys. Lett. B* **357**, 255 (1995).
373. ** V. Chabaud *et al.* [DELPHI Collaboration], “The DELPHI silicon strip microvertex detector with double sided readout,” *Nucl. Instrum. Meth. A* **368**, 314 (1996).
374. P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of the photon structure function $F_2(\gamma)$ at an average q^2 of $12\text{-GeV}^2/c^4$,” *Z. Phys. C* **69**, 223 (1996).
375. P. Abreu *et al.* [DELPHI Collaboration], “Observation of short range three particle correlations in $e^+ e^-$ annihilations at LEP energies,” *Phys. Lett. B* **355**, 415 (1995).
376. P. Abreu *et al.* [DELPHI Collaboration], “Lifetime and production rate of beauty baryons from Z decays,” *Z. Phys. C* **68**, 375 (1995).
377. P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of B^+ and B^0 lifetimes using $\bar{D}l^+$ events,” *Z. Phys. C* **68**, 13 (1995).

378. W. Adam *et al.* [DELPHI Collaboration], “Lifetimes of charged and neutral B hadrons using event topology,” *Z. Phys. C* **68**, 363 (1995).
379. P. Abreu *et al.* [DELPHI Collaboration], “ B^* production in Z decays,” *Z. Phys. C* **68**, 353 (1995).
380. P. Abreu *et al.* [DELPHI Collaboration], “Strange baryon production in Z hadronic decays,” *Z. Phys. C* **67**, 543 (1995).
381. P. Abreu *et al.* [DELPHI Collaboration], “Inclusive measurements of the K^\pm and p / \bar{p} production in hadronic Z^0 decays,” *Nucl. Phys. B* **444**, 3 (1995).
382. P. Abreu *et al.* [DELPHI Collaboration], “Measurements of the tau polarization in Z^0 decays,” *Z. Phys. C* **67**, 183 (1995).
383. P. Abreu *et al.* [DELPHI Collaboration], “Production of strange B baryons decaying into Ξ^\pm - lepton pairs at LEP,” *Z. Phys. C* **68**, 541 (1995).
384. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of $\Gamma(b\bar{b})/\Gamma(\text{hadrons})$ using impact parameter measurements and lepton identification,” *Z. Phys. C* **66**, 323 (1995).
385. F. Abe *et al.* [CDF Collaboration], “Measurement of the B meson and b quark cross-sections at $\sqrt{s} = 1.8\text{-TeV}$ using the exclusive decay $B^0 \rightarrow J/\psi K^{*0}(892)$,” *Phys. Rev. D* **50**, 4252 (1994).
386. P. Abreu *et al.* [DELPHI Collaboration], “Production of charged particles, K_S^0 , K^\pm , p and Λ in $Z \rightarrow b\bar{b}$ events and in the decay of b hadrons,” *Phys. Lett. B* **347**, 447 (1995).
387. P. Abreu *et al.* [DELPHI Collaboration], “First measurement of the strange quark asymmetry at the Z^0 peak,” *Z. Phys. C* **67**, 1 (1995).
388. P. Abreu *et al.* [DELPHI Collaboration], “Search for heavy neutral Higgs bosons in two doublet models,” *Z. Phys. C* **67**, 69 (1995).
389. P. Abreu *et al.* [DELPHI Collaboration], “Observation of orbitally excited B mesons,” *Phys. Lett. B* **345**, 598 (1995).
390. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the forward - backward asymmetry of charm and bottom quarks at the Z pole using $D^{*\pm}$ mesons,” *Z. Phys. C* **66**, 341 (1995).
391. P. Abreu *et al.* [DELPHI Collaboration], “First evidence of hard scattering processes in single tagged gamma gamma collisions,” *Phys. Lett. B* **342**, 402 (1995).
392. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the forward - backward asymmetry of $e^+ e^- \rightarrow Z \rightarrow b\bar{b}$ using prompt leptons and a lifetime tag,” *Z. Phys. C* **65**, 569 (1995).
393. ** F. Borchelt *et al.*, “First measurements with a diamond microstrip detector,” *Nucl. Instrum. Meth. A* **354**, 318 (1995).

394. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of time dependent $B^0\bar{B}^0$ mixing,” Phys. Lett. B **338**, 409 (1994).
395. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the $\Gamma(b\bar{b})/\Gamma(\text{hadron})$ branching ratio of the Z by double hemisphere tagging,” Z. Phys. C **65**, 555 (1995).
396. P. Abreu *et al.* [DELPHI Collaboration], Z. Phys. C **65**, 587 (1995).
397. P. Abreu *et al.* [DELPHI Collaboration], “ J/ψ production in the hadronic decays of the Z ,” Phys. Lett. B **341**, 109 (1994).
398. P. Abreu *et al.* [DELPHI Collaboration], “A Study of radiative muon pair events at Z^0 energies and limits on an additional Z' gauge boson,” Z. Phys. C **65**, 603 (1995).
399. P. Abreu *et al.* [DELPHI Collaboration], “Charged kaon production in tau decays at LEP,” Phys. Lett. B **334**, 435 (1994).
400. P. Abreu *et al.* [DELPHI Collaboration], “Search for pair produced heavy scalars in Z^0 decays,” Z. Phys. C **64**, 183 (1994).
401. F. Abe *et al.* [CDF Collaboration], “Search for radiative decays of neutralinos in proton - anti-proton collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **75**, 613 (1995).
402. F. Abe *et al.* [CDF Collaboration], “Observation of rapidity gaps in $\bar{p} p$ collisions at 1.8-TeV,” Phys. Rev. Lett. **74**, 855 (1995).
403. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the $B\bar{B}$ mixing parameter in DELPHI,” Phys. Lett. B **332**, 488 (1994).
404. P. Abreu *et al.* [DELPHI Collaboration], “Search for the standard model Higgs boson in Z^0 decays,” Nucl. Phys. B **421**, 3 (1994).
405. F. Abe *et al.* [CDF Collaboration], “Evidence for color coherence in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **50**, 5562 (1994).
406. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the $e^+e^- \rightarrow \gamma\gamma(\gamma)$ cross-section at LEP energies,” Phys. Lett. B **327**, 386 (1994).
407. P. Abreu *et al.* [DELPHI Collaboration], “Improved measurements of cross-sections and asymmetries at the Z^0 resonance,” Nucl. Phys. B **418**, 403 (1994).
408. ** P. Abreu *et al.* [DELPHI Collaboration], “A Precision measurement of the average lifetime of B hadrons,” Z. Phys. C **63**, 3 (1994).
409. P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of the B_s^0 meson mass,” Phys. Lett. B **324**, 500 (1994).
410. P. Abreu *et al.* [DELPHI Collaboration], “Measurements of the line shape of the Z^0 and determination of electroweak parameters from its hadronic and leptonic decays,” Nucl. Phys. B **417**, 3 (1994) [Erratum-ibid. B **426**, 244 (1994)].

411. P. Abreu *et al.* [DELPHI Collaboration], “Study of hard scattering processes in multi-hadron production from gamma gamma collisions at LEP,” *Z. Phys. C* **62**, 357 (1994).
412. P. Abreu *et al.* [DELPHI Collaboration], “Interference of neutral kaons in the hadronic decays of the Z^0 ,” *Phys. Lett. B* **323**, 242 (1994).
413. P. Abreu *et al.* [DELPHI Collaboration], “Invariant mass dependence of particle correlations in hadronic final states from the decay of the Z^0 ,” *Z. Phys. C* **63**, 17 (1994).
414. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the $B^0 - \bar{B}^0$ mixing using the average electric charge of hadron jets in Z^0 decays,” *Phys. Lett. B* **322**, 459 (1994).
415. F. Abe *et al.* [CDF Collaboration], “A Search for the top quark decaying to charged Higgs in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **72**, 1977 (1994).
416. P. Abreu *et al.* [DELPHI Collaboration], “Production of Λ and $\Lambda\bar{\Lambda}$ correlations in the hadronic decays of the Z^0 ,” *Phys. Lett. B* **318**, 249 (1993).
417. P. Abreu *et al.* [DELPHI Collaboration], *Z. Phys. C* **61**, 407 (1994).
418. P. Abreu *et al.* [DELPHI Collaboration], “Limits on the production of scalar leptoquarks from Z^0 decays at LEP,” *Phys. Lett. B* **316**, 620 (1993).
419. F. Abe *et al.* [CDF Collaboration], “Measurement of the anti-proton proton total cross-section at $\sqrt{s} = 546\text{-GeV}$ and 1800-GeV ,” *Phys. Rev. D* **50**, 5550 (1994).
420. F. Abe *et al.* [CDF Collaboration], “Measurement of small angle anti-proton - proton elastic scattering at $\sqrt{s} = 546\text{-GeV}$ and 1800-GeV ,” *Phys. Rev. D* **50**, 5518 (1994).
421. F. Abe *et al.* [CDF Collaboration], “Measurement of $\bar{p} p$ single diffraction dissociation at $\sqrt{s} = 546\text{-GeV}$ and 1800-GeV ,” *Phys. Rev. D* **50**, 5535 (1994).
422. F. Abe *et al.* [CDF Collaboration], “Study of four jet events and evidence for double parton interactions in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. D* **47**, 4857 (1993).
423. F. Abe *et al.* [CDF Collaboration], “Inclusive χ_c and b quark production in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” *Phys. Rev. Lett.* **71**, 2537 (1993).
424. P. Abreu *et al.* [DELPHI Collaboration], “Search for Z^0 decays to two leptons and a charged particle - anti-particle pair,” *Nucl. Phys. B* **403**, 3 (1993).
425. P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of the mean lifetimes of charged and neutral B hadrons,” *Phys. Lett. B* **312**, 253 (1993).
426. P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of D meson production in Z^0 hadronic decays,” *Z. Phys. C* **59**, 533 (1993) [Erratum-ibid. *C* **65**, 709 (1993)].
427. F. Abe *et al.* [CDF Collaboration], “Measurement of bottom quark production in 1.8-TeV $p \bar{p}$ collisions using semileptonic decay muons,” *Phys. Rev. Lett.* **71**, 2396 (1993).

428. P. Abreu *et al.* [DELPHI Collaboration], “Determination of α_s from the scaling violation in the fragmentation functions in $e^+ e^-$ annihilation,” Phys. Lett. B **311**, 408 (1993).
429. P. Abreu *et al.* [DELPHI Collaboration], “Determination of α_s for b quarks at the Z^0 resonance,” Phys. Lett. B **307**, 221 (1993).
430. F. Abe *et al.* [CDF Collaboration], “Measurement of Drell-Yan electron and muon pair differential cross-sections in $\bar{p} p$ collisions at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. D **49**, 1 (1994).
431. F. Abe *et al.* [CDF Collaboration], “A Search for first generation leptoquarks in $\bar{p} p$ collisions at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. D **48**, 3939 (1993).
432. F. Abe *et al.* [CDF Collaboration], “Measurement of the bottom quark production cross-section using semileptonic decay electrons in $p \bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. Lett. **71**, 500 (1993).
433. F. Abe *et al.* [CDF Collaboration], “Measurement of jet multiplicity in W events produced in $p \bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. Lett. **70**, 4042 (1993).
434. P. Abreu *et al.* [DELPHI Collaboration], “Determination of α_s using the next-to-leading log approximation of QCD,” Z. Phys. C **59**, 21 (1993).
435. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of Λ_b production and lifetime in Z^0 hadronic decays,” Phys. Lett. B **311**, 379 (1993).
436. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the triple gluon vertex from four-jet events at LEP,” Z. Phys. C **59**, 357 (1993).
437. F. Abe *et al.* [CDF Collaboration], “The center-of-mass angular distribution of prompt photons produced in $p \bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. Lett. **71**, 679 (1993).
438. ** P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of the tau lifetime,” Phys. Lett. B **302**, 356 (1993).
439. F. Abe *et al.* [CDF Collaboration], “Measurement of the dijet mass distribution in $p \bar{p}$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. D **48**, 998 (1993).
440. F. Abe *et al.* [CDF Collaboration], “Measurement of the cross-section for production of two isolated prompt photons in $\bar{p} p$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. Lett. **70**, 2232 (1993).
441. F. Abe *et al.* [CDF Collaboration], “A prompt photon cross-section measurement in $\bar{p} p$ collisions at $\sqrt{s} = 1.8$ -TeV,” Phys. Rev. D **48**, 2998 (1993).
442. P. Abreu *et al.* [DELPHI Collaboration], “A Study of $B^0 \bar{B}^0$ mixing using semileptonic decays of B hadrons produced from Z^0 ,” Phys. Lett. B **301**, 145 (1993).
443. P. Abreu *et al.* [DELPHI Collaboration], “A Search for lepton flavor violation in Z^0 decays,” Phys. Lett. B **298**, 247 (1993).

444. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of inclusive production of light meson resonances in hadronic decays of the Z^0 ,” Phys. Lett. B **298**, 236 (1993).
445. F. Abe *et al.* [CDF Collaboration], “Comparison of jet production in $\bar{p} p$ collisions at $\sqrt{s} = 546\text{-GeV}$ and 1800-GeV ,” Phys. Rev. Lett. **70**, 1376 (1993).
446. F. Abe *et al.* [CDF Collaboration], “Search for $\Lambda_b \rightarrow J/\psi \Lambda^0$ in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **47**, 2639 (1993).
447. P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of B meson production and lifetime using D lepton- events in Z^0 decays,” Z. Phys. C **57**, 181 (1993).
448. ** N. Binglefors *et al.*, “The DELPHI microvertex detector,” Nucl. Instrum. Meth. A **328**, 447 (1993).
449. F. Abe *et al.* [CDF Collaboration], “Inclusive $J/\psi, \psi(2S)$ and b quark production in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **69**, 3704 (1992).
450. F. Abe *et al.* [CDF Collaboration], “A Measurement of jet shapes in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **70**, 713 (1993).
451. F. Abe *et al.* [CDF Collaboration], “Search for squarks and gluinos from $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **69**, 3439 (1992).
452. F. Abe *et al.* [CDF Collaboration], “Limit on the rare decay $W^\pm \rightarrow \gamma \pi^\pm$ in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **69**, 2160 (1992).
453. P. Abreu *et al.* [DELPHI Collaboration], “Multiplicity fluctuations in hadronic final states from the decay of the Z^0 ,” Nucl. Phys. B **386**, 471 (1992).
454. F. Abe *et al.* [CDF Collaboration], “The Dijet angular distribution in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **69**, 2896 (1992).
455. P. Abreu *et al.* [DELPHI Collaboration], “Evidence for B_s^0 meson production in Z^0 decays,” Phys. Lett. B **289**, 199 (1992).
456. F. Abe *et al.* [CDF Collaboration], “Limits on the production of massive stable charged particles,” Phys. Rev. D **46**, 1889 (1992).
457. P. Abreu *et al.* [DELPHI Collaboration], “Bose-Einstein correlations in the hadronic decays of the Z^0 ,” Phys. Lett. B **286**, 201 (1992).
458. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the partial width of the Z^0 into $b\bar{b}$ final states using their semileptonic decays,” Z. Phys. C **56**, 47 (1992).
459. P. Abreu *et al.* [DELPHI Collaboration], “Charged particle multiplicity distributions for fixed number of jets in Z^0 hadronic decays,” Z. Phys. C **56**, 63 (1992).
460. P. Abreu *et al.* [DELPHI Collaboration], “A Study of the decays of tau leptons produced on the Z resonance at LEP,” Z. Phys. C **55**, 555 (1992).

461. F. Abe *et al.* [CDF Collaboration], “A Measurement of the production and muonic decay rate of W and Z bosons in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **69**, 28 (1992).
462. P. Abreu *et al.* [DELPHI Collaboration], “Determination of α_s in second order QCD from hadronic Z decays,” Z. Phys. C **54**, 55 (1992).
463. F. Abe *et al.* [CDF Collaboration], “Measurement of the isolated prompt photon cross-sections in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **68**, 2734 (1992).
464. F. Abe *et al.* [CDF Collaboration], “A Measurement of the B meson and b quark cross-sections at $\sqrt{s} = 1.8\text{-TeV}$ using the exclusive decay $B^\pm \rightarrow J/\psi K^\pm$,” Phys. Rev. Lett. **68**, 3403 (1992).
465. F. Abe *et al.* [CDF Collaboration], “Measurement of the ratio $\sigma \cdot \mathcal{B}(W \rightarrow \tau\nu) / \sigma \cdot \mathcal{B}(W \rightarrow e\nu)$, in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **68**, 3398 (1992).
466. P. Abreu *et al.* [DELPHI Collaboration], “Charged particle multiplicity distributions in restricted rapidity intervals in Z^0 hadronic decays,” Z. Phys. C **52**, 271 (1991).
467. F. Abe *et al.* [CDF Collaboration], “A Limit on the top quark mass from proton - anti-proton collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **45**, 3921 (1992).
468. F. Abe *et al.* [CDF Collaboration], “Lepton asymmetry in W decays from $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **68**, 1458 (1992).
469. F. Abe *et al.* [CDF Collaboration], “Measurement of $B^0 \bar{B}^0$ mixing at the Fermilab Tevatron collider,” Phys. Rev. Lett. **67**, 3351 (1991).
470. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the Z^0 branching fraction to b quark pairs using the boosted sphericity product,” Phys. Lett. B **281**, 383 (1992).
471. F. Abe *et al.* [CDF Collaboration], “Measurement of the Z (p_T) distribution in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **67**, 2937 (1991).
472. P. Abreu *et al.* [DELPHI Collaboration], “Production of strange particles in the hadronic decays of the Z^0 ,” Phys. Lett. B **275**, 231 (1992).
473. P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of the $b\bar{b}$ forward backward asymmetry using the semileptonic decay into muons,” Phys. Lett. B **276**, 536 (1992).
474. P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of $\sin^2 \theta_W$ from the charge asymmetry of hadronic events at the Z^0 peak,” Phys. Lett. B **277**, 371 (1992).
475. P. Abreu *et al.* [DELPHI Collaboration], “Multiplicity dependence of mean transverse momentum in $e^+ e^-$ annihilations at LEP energies,” Phys. Lett. B **276**, 254 (1992).
476. P. Abreu *et al.* [DELPHI Collaboration], “Searches for heavy neutrinos from Z decays,” Phys. Lett. B **274**, 230 (1992).

477. F. Abe *et al.* [CDF Collaboration], “Properties of events with large total transverse energy produced in proton - anti-proton collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **45**, 2249 (1992).
478. F. Abe *et al.* [CDF Collaboration], “A Search for new gauge bosons in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **68**, 1463 (1992).
479. F. Abe *et al.* [CDF Collaboration], “A Lower limit on the top quark mass from events with two leptons in $p \bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **68**, 447 (1992).
480. P. Abreu *et al.* [DELPHI Collaboration], “Study of final state photons in hadronic Z^0 decay and limits on new phenomena,” Z. Phys. C **53**, 555 (1992).
481. F. Abe *et al.* [CDF Collaboration], “The Topology of three jet events in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **45**, 1448 (1992).
482. P. Abreu *et al.* [DELPHI Collaboration], “Measurement of the average lifetime of B hadrons,” Z. Phys. C **53**, 567 (1992).
483. P. Abreu *et al.* [DELPHI Collaboration], “A Search for neutral Higgs particles in Z^0 decays,” Nucl. Phys. B **373**, 3 (1992).
484. P. Abreu *et al.* [DELPHI Collaboration], “Search for scalar leptoquarks from Z^0 decays,” Phys. Lett. B **275**, 222 (1992).
485. F. Abe *et al.* [CDF Collaboration], “Inclusive jet cross-section in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **68**, 1104 (1992).
486. F. Abe *et al.* [CDF Collaboration], “Search for $W' \rightarrow e\nu$ and $W' \rightarrow \mu\nu$ in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **67**, 2609 (1991).
487. ** P. Abreu *et al.* [DELPHI Collaboration], “A Measurement of the lifetime of the tau lepton,” Phys. Lett. B **267**, 422 (1991).
488. P. Abreu *et al.* [DELPHI Collaboration], “The reaction $e^+e^- \rightarrow \gamma\gamma(\gamma)$ at Z^0 energies,” Phys. Lett. B **268**, 296 (1991).
489. P. Abreu *et al.* [DELPHI Collaboration], “Study of orientation of three jet events in Z^0 hadronic decays using the DELPHI detector,” Phys. Lett. B **274**, 498 (1992).
490. F. Abe *et al.* [CDF Collaboration], “Measurement of the $e^+ e^-$ invariant mass distribution in $\bar{p} p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **67**, 2418 (1991).
491. F. Abe *et al.* [CDF Collaboration], “A Determination of $\sin^2 - \theta$ from the forward - backward asymmetry in $p\bar{p} \rightarrow Z^0 X \rightarrow e^+e^- X$ interactions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **67**, 1502 (1991).
492. P. Abreu *et al.* [DELPHI Collaboration], “Search for excited charged leptons in Z^0 decays,” Z. Phys. C **53**, 41 (1992).

493. P. Abreu *et al.* [DELPHI Collaboration], “Determination of Z^0 resonance parameters and couplings from its hadronic and leptonic decays,” Nucl. Phys. B **367**, 511 (1991).
494. F. Abe *et al.* [CDF Collaboration], “Measurement of QCD jet broadening in $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **44**, 601 (1991).
495. P. Abreu *et al.* [DELPHI Collaboration], “A Study of the reaction $e^+e^- \rightarrow \mu^+\mu^-$ around the Z^0 pole,” Phys. Lett. B **260**, 240 (1991).
496. F. Abe *et al.* [CDF Collaboration], “Measurement of the Wp_T distribution in $\bar{p}p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **66**, 2951 (1991).
497. P. Abreu *et al.* [DELPHI Collaboration], “Search for low mass Higgs bosons produced in Z^0 decays,” Z. Phys. C **51**, 25 (1991).
498. F. Abe *et al.* [CDF Collaboration], “A measurement of $\sigma \cdot \mathcal{B}(W \rightarrow e\nu)$ and $\sigma \cdot \mathcal{B}(Z^0 \rightarrow e^+e^-)$ in $\bar{p}p$ collisions at $\sqrt{s} = 1800\text{-GeV}$,” Phys. Rev. D **44**, 29 (1991).
499. P. Abreu *et al.* [DELPHI Collaboration], “Experimental study of the triple gluon vertex,” Phys. Lett. B **255**, 466 (1991).
500. ** F. Abe *et al.* [CDF Collaboration], “A measurement of the W boson mass in 1.8-TeV $\bar{p}p$ collisions,” Phys. Rev. D **43**, 2070 (1991).
501. ** F. Abe *et al.* [CDF Collaboration], “A measurement of the W boson mass,” Phys. Rev. Lett. **65**, 2243 (1990).
502. F. Abe *et al.* [CDF Collaboration], “Top quark search in the electron + jet channel in proton - anti-proton collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. D **43**, 664 (1991).
503. F. Abe *et al.* [CDF Collaboration], “Search for new heavy quarks in electron - muon events at the Fermilab Tevatron collider,” Phys. Rev. Lett. **64**, 147 (1990).
504. F. Abe *et al.* [CDF Collaboration], “Search for a light Higgs boson at the Tevatron proton - anti-proton collider,” Phys. Rev. D **41**, 1717 (1990).
505. F. Abe *et al.* [CDF Collaboration], “Measurement of the ratio $\sigma(W \rightarrow e\nu) / \sigma(Z \rightarrow ee)$ in $\bar{p}p$ collisions at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **64**, 152 (1990).
506. F. Abe *et al.* [CDF Collaboration], “A search for the Top quark in the reaction $\bar{p}p \rightarrow$ electron + jets at $\sqrt{s} = 1.8\text{-TeV}$,” Phys. Rev. Lett. **64**, 142 (1990).
507. ** F. Abe *et al.* [CDF Collaboration], “Measurement of the mass and width of the Z^0 boson at the Fermilab Tevatron,” Phys. Rev. Lett. **63**, 720 (1989).
508. F. Abe *et al.* [CDF Collaboration], “A measurement of W boson production in 1.8-TeV $\bar{p}p$ collisions,” Phys. Rev. Lett. **62**, 1005 (1989).
509. F. Abe *et al.* [CDF Collaboration], “The CDF detector: An overview,” Nucl. Instrum. Meth. A **271**, 387 (1988).

Conference proceedings

510. ** I. Dolenc *et al.*, “ATLAS diamond Beam Conditions Monitor,” PoS **VERTEX2008**, 012 (2008).
511. ** W. Trischuk [RD42 Collaboration], “Recent Advances in Diamond Detectors,” *Published in Proceedings of the 34th International Conference on High-Energy Physics (ICHEP 08), Philadelphia, Aug 2008*, arXiv:0810.3429.
512. ** C. P. Hays, B. Jayatilaka, A. Kotwal, L. Nodulman, O. Stelzer-Chilton, W. Trischuk and I. Vollrath, “First measurement of the W boson mass with CDF in run II,” *Published in the proceedings of the International Europhysics Conference on High Energy Physics (EPS-HEP2007), Manchester, England, July 2007*, J. Phys. Conf. Ser. **110**, 122019 (2008).
513. ** W. Trischuk [CDF-II Collaboration], “Tevatron Results on W Boson Mass and Width,” Nuclear Physics **B** (Proc. Suppl.) 177-178, 22 (2008). *Published in Proceedings of the Hadron Collider Physics Symposium (HCP 2007), Elba, Italy, 20-26 May 2007*.
514. ** W. Trischuk [RD42 Diamond Detector Collaboration], “Recent Developments In Diamond Particle Detectors,” *Published in Proceedings of the 32nd International Conference on High-Energy Physics (ICHEP 04), Beijing, China, 16-22 Aug 2004*.
515. ** W. Trischuk [BELLE Collaboration], “Measurement of CP Asymmetries at Belle” arXiv:hep-ex/0212059. *Published in the proceedings of the 2002 SLAC Summer Institute, Topical Conference*.
516. ** W. Trischuk [CDF Collaboration], “Experimental study of $\sin(2\beta)$ and $\sin(2\alpha)$,” FERMILAB-CONF-00-044-E *Published in the proceedings of 3rd International Conference on B Physics and CP Violation (BCONF99), Taipei, Taiwan, 3-7 Dec 1999*.
517. ** W. Trischuk [CDF collaboration], “Rare B decays from the CDF experiment,” Nucl. Phys. Proc. Suppl. **75B**, 89 (1999).
518. ** W. Trischuk, “Semiconductor trackers for future particle physics detectors,” Nucl. Instrum. Meth. A **419**, 251 (1998).
519. ** W. Trischuk [RD42 Collaboration], “Diamond detectors for the LHC,” *Prepared for International Europhysics Conference on High-energy Physics (HEP 95), Brussels, Belgium, 27 Jul - 2 Aug 1995*.
520. ** W. Trischuk [DELPHI Collaboration], “A review of the tau lifetime,” CERN-PPE-92-197 *Invited talk at Workshop on Tau Lepton Physics, Columbus, OH, Sep 8-11, 1992*.
521. ** W. Trischuk [DELPHI Collaboration], “B and D lifetimes at LEP,” CERN-PPE-91-128 *Invited Talk at the 4th Int. Symp. on Heavy Flavor Physics, Orsay, France, Jun 25-28, 1991*.
522. ** W. Trischuk [CDF Collaboration], “Preliminary electroweak results from CDF electron data,” Nucl. Phys. Proc. Suppl. **16**, 205 (1990).

Non-Refereed publications

523. ** K.J. Ragan *et al.*, “Perspectives on Subatomic Physics in Canada 2006-2016”, Report of the NSERC Long-Range Planning Committee, December 2006.
524. W. Adam *et al.* [RD42 Collaboration], “Development of diamond tracking detectors for high luminosity experiments at the LHC,” CERN-LHCC-2002-010.
525. ** K. Anikeev *et al.*, “B physics at the Tevatron: Run II and beyond,” hep-ph/0201071, proceedings of FNAL Run II *B* Physics workshop.
526. ** W. Adam *et al.* [RD42 Collaboration], “Development of diamond tracking detectors for high luminosity experiments at the LHC,” CERN-LHCC-2000-011.
527. R. Blair *et al.* [CDF-II Collaboration], “The CDF-II detector: Technical design report,” FERMILAB-PUB-96-390-E.
528. ** M. H. Nazare *et al.* [RD42 Collaboration], “R & D proposal: Development of diamond tracking detectors for high luminosity experiments at the LHC,” CERN-DRDC-94-21.
529. ** W. Trischuk, “A measurement of the W boson mass in 1.8-TeV proton - anti proton collisions,” UMI-90-35576, PhD Thesis, Harvard University (1990).