

1 CV

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Education

Ph.D. July 1997, Physics, University of Rochester, Rochester NY.
Thesis topic: *A Measurement of the Top Quark Mass*
Advisor: Professor Paul Tipton.
M.S. May 1994, Physics, University of Rochester, Rochester NY.
B.A. May 1992, Physics, Magna Cum Laude, Sigma Xi,
Gustavus Adolphus College, St. Peter MN.

Professional Experience

2006-Pres.	Assistant Professor	Michigan State University
Jan.-June 2006	Guest Scientist	Fermilab
2002-2006	Assistant Professor	Michigan State University
1998-2002	Postdoctoral Fellow	University of Rochester
1997-1998	Postdoctoral Fellow	Massachusetts Institute of Technology
1992-1997	Research Assistant	University of Rochester

Honors

2004	Osgood Undergraduate Teaching Award	Michigan State University
2002	First Decade Award	Gustavus Adolphus College

Professional Activities

2007-2009 Elected member of the Fermilab Users' Executive Committee
2006-2009 Convener of CDF's Top Physics Group
2007-2008 Scientific organizing committee for Top'08: International Workshop on Top Physics
2004-2006 Head of CDF's Trigger and Dataset Working Group
2003-2008 Member of Women's Advisory Committee to the Dean of CNS
2003-2004 Scientific organizing committee for Hadron Collider Physics 2004 conference
May 2003 Convener of QCD/SM working group at 2003 Les Houches Workshop
2002-2003 Leader of Cooling and Radiation Monitoring for CDF's Run IIb Silicon Detector
1998-2002 Convener CDF's Level-3 Trigger Software group
1998-2002 Convener CDF's Top Trigger and Datasets group
1997-2001 Convener CDF's Trigger Database group

2 Recent Talks

- *Recent Top Quark Results from CDF*, HEP seminar at Notre Dame, October 2007.
- *Recent Results from the Tevatron*, HEP seminar at MSU, September 2007.
- *Striking Results from the Tevatron*, Lepton-Photon Conference, South Korea, August 2007.
- *Top Group Overview*, CDF collaboration meeting, Paris, France, May 2007.
- *Measuring the Charge of the Top Quark*, Division of Particle and Fields Conference, Hawaii, October 2006.
- *The Top Quark Discovery*, Invited Lecturer for the Fermilab/CERN Hadron Collider Physics Summer School, Fermilab, August 2006.
- *Update on the Top Charge Measurement*, CDF collaboration meeting, Elba, Italy, June 2006.
- *Trigger Tables: How Far Have We Come, How High Can We Go*, CDF collaboration meeting, Fermilab, October 2005.
- *What Can the TDWG Do for You?*, Higgs and Top Physics Workshop at Ohio State University, July 2005.
- *Preparing the Trigger Table for High Luminosities*, CDF collaboration meeting, Barcelona, Spain, May 2005.
- *Trigger Plans for 2005 and Beyond*, CDF collaboration meeting, Fermilab, January 2005.
- *The State of the Top Quark: Recent Results from CDF*, Collider Physics Program at the Kavli Institute for Theoretical Physics, University of California at Santa Barbara, February 2004.

3 All Publications

1. T. Aaltonen *et al.* [CDF Collaboration], “Search for resonant $t\bar{t}$ production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV,” arXiv:0709.0705 [hep-ex]. Submitted to Phys. Rev. Lett.
2. T. Aaltonen *et al.* [CDF Collaboration], “First Run II Measurement of the W Boson Mass,” arXiv:0708.3642 [hep-ex]. Submitted to Phys. Rev. D.
3. T. Aaltonen *et al.* [CDF Collaboration], “First Measurement of the W Boson Mass in Run II of the Tevatron,” arXiv:0707.0085 [hep-ex]. Submitted to Phys. Rev. Lett.
4. T. Aaltonen *et al.* [CDF Collaboration], “Observation and Mass Measurement of the Baryon Ξ_b^- ,” Phys. Rev. Lett. **99**, 052002 (2007) [arXiv:0707.0589 [hep-ex]].
5. T. Aaltonen *et al.* [CDF Collaboration], “Search for a High-Mass Diphoton State and Limits on Randall-Sundrum Gravitons at CDF,” arXiv:0707.2294 [hep-ex]. Submitted to Phys. Rev. Lett.
6. T. Aaltonen *et al.* [CDF Collaboration], “Search for Exclusive Gamma Gamma Production in Hadron-Hadron Collisions,” arXiv:0707.2374 [hep-ex]. Submitted to Phys. Rev. Lett.
7. T. Aaltonen *et al.* [CDF Collaboration], “Search for New Physics in High Mass Electron-Positron Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” arXiv:0707.2524 [hep-ex]. Submitted to Phys. Rev. Lett.
8. T. Aaltonen *et al.* [CDF Collaboration], “Search for Third Generation Vector Leptoquarks in p anti- p Collisions at $\sqrt{s} = 1.96$ TeV,” arXiv:0706.2832 [hep-ex]. Submitted to Phys. Rev. Lett.
9. T. Aaltonen *et al.* [CDF Collaboration], “Search for New Particles Leading to Z +jets Final States in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” arXiv:0706.3264 [hep-ex]. Submitted to Phys. Rev. D
10. T. Aaltonen *et al.* [CDF Collaboration], “Measurement of the p anti- p to t anti- t Production Cross Section and the Top Quark Mass at $\sqrt{s}=1.96$ TeV in the All-Hadronic Decay Mode,” arXiv:0706.3790 [hep-ex]. Submitted to Phys. Rev. D
11. T. Aaltonen *et al.* [CDF Collaboration], “First Observation of Heavy Baryons Σ_b and Σ_b^* ,” arXiv:0706.3868 [hep-ex]. Submitted to Phys. Rev. Lett.
12. T. Aaltonen *et al.* [CDF 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) [arXiv:0705.1594 [hep-ex]].
13. T. Aaltonen *et al.* [CDF Collaboration], “Limits on Anomalous Triple Gauge Couplings in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV,” arXiv:0705.2247 [hep-ex]. Submitted to Phys. Rev. Lett.
14. A. Abulencia *et al.* [CDF Collaboration], “Polarization of J/psi and psi(2S) Mesons Produced in $p\bar{p}$ Collisions at 1.96 TeV,” arXiv:0704.0638 [hep-ex]. Submitted to Phys. Rev. Lett.

15. A. Abulencia *et al.* [CDF Collaboration], “Search for Heavy, Long-Lived Particles that Decay to Photons at CDF II,” arXiv:0704.0760 [hep-ex]. Submitted to Phys. Rev. Lett.
16. A. Abulencia *et al.*, “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) [arXiv:hep-ex/0703028].
17. A. Abulencia *et al.* [CDF Collaboration], “Precise measurement of the top quark mass in the lepton+jets topology at CDF II,” arXiv:hep-ex/0703045. Submitted to Phys. Rev. Lett.
18. A. Abulencia *et al.* [CDF Collaboration], “Observation of WZ Production,” Phys. Rev. Lett. **98**, 161801 (2007) [arXiv:hep-ex/0702027].
19. A. Abulencia *et al.*, “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) [arXiv:hep-ex/0702029].
20. A. Abulencia *et al.* [CDF 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) [arXiv:hep-ex/0702037].
21. A. Abulencia *et al.* [CDF 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) [arXiv:hep-ex/0702051].
22. A. Abulencia *et al.* [CDF 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) [arXiv:0706.4448 [hep-ex]].
23. A. Abulencia *et al.* [CDF - Run 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)] [arXiv:hep-ex/0701051].
24. A. Abulencia *et al.* [CDF II Collaboration], “Measurement of the helicity fractions of W bosons from top quark decays using fully reconstructed t anti- t events with CDF II,” Phys. Rev. D **75**, 052001 (2007) [arXiv:hep-ex/0612011].
25. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the B^+ production cross section in p anti- p collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **75**, 012010 (2007) [arXiv:hep-ex/0612015].
26. T. Aaltonen *et al.*, “Measurement of the top-quark mass in all-hadronic decays in p anti- p collisions at CDF II,” Phys. Rev. Lett. **98**, 142001 (2007) [arXiv:hep-ex/0612026].
27. A. Abulencia *et al.* [CDF Collaboration], “Analysis of the quantum numbers $J(PC)$ of the $X(3872)$,” Phys. Rev. Lett. **98**, 132002 (2007) [arXiv:hep-ex/0612053].

28. A. Abulencia *et al.* [CDF Collaboration], “Cross section measurements of high-p(T) dilepton final-state processes using a global fitting method,” arXiv:hep-ex/0612058. Submitted to Phys. Rev. D
29. A. Abulencia *et al.* [CDF - Run II Collaboration], “Precision measurement of the top quark mass from dilepton events at CDF II,” Phys. Rev. D **75**, 031105 (2007) [arXiv:hep-ex/0612060].
30. A. Abulencia *et al.* [CDF - Run II Collaboration], “Measurement of the top quark mass in p anti-p collisions at $\sqrt{s}(1/2) = 1.96$ -TeV using the decay length technique,” Phys. Rev. D **75**, 071102 (2007) [arXiv:hep-ex/0612061].
31. A. Abulencia *et al.* [CDF Collaboration], “Search for exotic $S = -2$ baryons in p anti-p collisions at $\sqrt{s}(1/2) = 1.96$ -TeV,” Phys. Rev. D **75**, 032003 (2007) [arXiv:hep-ex/0612066].
32. A. Abulencia *et al.* [CDF Collaboration], “Search for W’ boson decaying to electron-neutrino pairs in p anti-p collisions at $\sqrt{s}(1/2) = 1.96$ -TeV,” Phys. Rev. D **75**, 091101 (2007) [arXiv:hep-ex/0611022].
33. A. Abulencia *et al.* [CDF Collaboration], “Observation of exclusive electron positron production in hadron hadron collisions,” Phys. Rev. Lett. **98**, 112001 (2007) [arXiv:hep-ex/0611040].
34. A. Abulencia *et al.* [CDF - Run II Collaboration], “Measurement of the ratios of branching fractions $B(B/s0 \rightarrow \bar{c} D/s \pi^+ \pi^+ \pi^-)/B(B0 \rightarrow \bar{c} D^- \pi^+ \pi^+ \pi^-)$ and $B(B/s0 \rightarrow \bar{c} D/s \pi^+)/B(B0 \rightarrow \bar{c} D^- \pi^+)$,” Phys. Rev. Lett. **98**, 061802 (2007) [arXiv:hep-ex/0610045].
35. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the $\Lambda/b0$ lifetime in $\Lambda/b0 \rightarrow \bar{c} J/\psi \Lambda0$ in p anti-p collisions at $\sqrt{s}(1/2) = 1.96$ -TeV,” Phys. Rev. Lett. **98**, 122001 (2007) [arXiv:hep-ex/0609021].
36. A. Abulencia *et al.* [CDF Collaboration], “Observation of B/s0 anti-B/s0 oscillations,” Phys. Rev. Lett. **97**, 242003 (2006) [arXiv:hep-ex/0609040].
37. A. Abulencia *et al.* [CDF Collaboration], “Search for V + A current in top quark decay in p anti-p collisions at $\sqrt{s}(1/2) = 1.96$ -TeV,” Phys. Rev. Lett. **98**, 072001 (2007) [arXiv:hep-ex/0608062].
38. A. Beretvas *et al.* [CDF Collaboration], “Finding the charge of the top quark in the dilepton channel,” arXiv:0707.1339 [hep-ex].
39. A. Abulencia *et al.* [CDF Collaboration], “Observation of $B^0 (s) \rightarrow K^+K^-$ and Measurements of Branching Fractions of Charmless Two-body Decays of B^0 and B_s^0 Mesons in $\bar{p}p$ Collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **97**, 211802 (2006) [arXiv:hep-ex/0607021].
40. A. Abulencia *et al.* [CDF 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) [arXiv:hep-ex/0607035].

41. A. Abulencia *et al.* [CDF - Run II Collaboration], “Measurement of the $t\bar{t}$ Production Cross Section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$ in the All Hadronic Decay Mode,” Phys. Rev. D **74**, 072005 (2006) [arXiv:hep-ex/0607095].
42. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the $t\bar{t}$ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **97**, 082004 (2006) [arXiv:hep-ex/0606017].
43. A. Abulencia *et al.* [CDF - Run II Collaboration], “Measurement of the $B_s^0 - \bar{B}_s^0$ Oscillation Frequency,” Phys. Rev. Lett. **97**, 062003 (2006) [AIP Conf. Proc. **870**, 116 (2006)] [arXiv:hep-ex/0606027].
44. A. Abulencia *et al.* [CDF Collaboration], “Search for excited and exotic muons in the $\mu\gamma$ decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **97**, 191802 (2006) [arXiv:hep-ex/0606043].
45. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the ratio of branching fractions $B(D0 \rightarrow K^+\pi^-) / B(D0 \rightarrow K^-\pi^+)$ using the CDF II Detector,” Phys. Rev. D **74**, 031109 (2006) [arXiv:hep-ex/0605027].
46. A. Abulencia *et al.* [CDF Collaboration], “Search for new physics in lepton + photon + X events with 305 pb^{-1} of $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **97**, 031801 (2006) [arXiv:hep-ex/0605097].
47. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the b jet cross-section in events with a Z boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. D **74**, 032008 (2006) [arXiv:hep-ex/0605099].
48. A. Abulencia *et al.* [CDF Collaboration], “Top quark mass measurement from dilepton events at CDF II with the matrix-element method,” Phys. Rev. D **74**, 032009 (2006) [arXiv:hep-ex/0605118].
49. A. Abulencia *et al.* [CDF Collaboration], “Search for a neutral Higgs boson decaying to a W boson pair in p antip collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **97**, 081802 (2006) [arXiv:hep-ex/0605124].
50. A. Abulencia *et al.* [CDF Collaboration], “Search for large extra dimensions in the production of jets and missing transverse energy in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$,” Phys. Rev. Lett. **97**, 171802 (2006) [arXiv:hep-ex/0605101].
51. A. Abulencia *et al.* [CDF Collaboration], “Search for high-mass resonances decaying to $e\mu$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” Phys. Rev. Lett. **96**, 211802 (2006) [arXiv:hep-ex/0603006].
52. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the B/c+ meson lifetime using B/c+ $-j$ J/psi $e + \nu/e$,” Phys. Rev. Lett. **97**, 012002 (2006) [arXiv:hep-ex/0603027].
53. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the t anti-t production cross section in p anti-p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ using missing $E(t) +$ jets events with secondary vertex b-tagging,” Phys. Rev. Lett. **96**, 202002 (2006) [arXiv:hep-ex/0603043].

54. A. Abulencia *et al.* [CDF Collaboration], “Observation of $B_s^0 \rightarrow \psi(2S)\phi$ and measurement of ratio of branching fractions $B(B_s^0 \rightarrow \psi(2S)\phi)/B(B_s^0 \rightarrow J/\psi\phi)$,” Phys. Rev. Lett. **96**, 231801 (2006) [arXiv:hep-ex/0602005].
55. A. Abulencia *et al.* [CDF 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) [arXiv:hep-ex/0602008].
56. A. Abulencia *et al.* [CDF Collaboration], “Search for $Z' \rightarrow e^+e^-$ using dielectron mass and angular distribution,” Phys. Rev. Lett. **96**, 211801 (2006) [arXiv:hep-ex/0602045].
57. A. Abulencia *et al.* [CDF 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) [arXiv:hep-ex/0512009].
58. A. Abulencia *et al.* [CDF Run 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) [arXiv:hep-ex/0512020].
59. A. Abulencia *et al.* [CDF Collaboration], “Search for second-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. D **73**, 051102 (2006) [arXiv:hep-ex/0512055].
60. A. Abulencia *et al.* [CDF Collaboration], “Search for H to b anti-b produced in association with W bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **96**, 081803 (2006) [arXiv:hep-ex/0512051].
61. A. Abulencia *et al.* [CDF II Collaboration], “Measurement of the inclusive jet cross section using the k(t) algorithm in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **96**, 122001 (2006) [arXiv:hep-ex/0512062].
62. A. Abulencia *et al.* [CDF 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) [arXiv:hep-ex/0512065].
63. A. Abulencia *et al.* [CDF Collaboration], “Measurement of mass and width of the excited charmed meson states D10 and D2*0,” Phys. Rev. D **73**, 051104 (2006) [arXiv:hep-ex/0512069].
64. A. Abulencia *et al.* [CDF Collaboration], “Top quark mass measurement from dilepton events at CDF II,” Phys. Rev. Lett. **96**, 152002 (2006) [arXiv:hep-ex/0512070].
65. A. Abulencia *et al.* [CDF 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) [arXiv:hep-ex/0512072].
66. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the dipion mass spectrum in $X(3872) \rightarrow J/\psi\pi^+\pi^-$ decays,” Phys. Rev. Lett. **96**, 102002 (2006) [arXiv:hep-ex/0512074].
67. A. Abulencia *et al.* [CDF-Run II Collaboration], “Measurement of the helicity of W bosons in top-quark decays,” Phys. Rev. D **73**, 111103 (2006) [arXiv:hep-ex/0511023].

68. A. Abulencia *et al.* [CDF Collaboration], “Top quark mass measurement using the template method in the lepton + jets channel at CDF II,” Phys. Rev. D **73**, 032003 (2006) [arXiv:hep-ex/0510048].
69. A. Abulencia *et al.* [CDF Collaboration], “Precision top quark mass measurement in the lepton + jets topology in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV,” Phys. Rev. Lett. **96**, 022004 (2006) [arXiv:hep-ex/0510049].
70. A. Abulencia *et al.* [CDF Collaboration], “A search for $t \rightarrow tau\nu q$ in $t\bar{t}$ production,” Phys. Lett. B **639**, 172 (2006) [arXiv:hep-ex/0510063].
71. A. Abulencia *et al.* [CDF 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**, 042003 (2006) [arXiv:hep-ex/0510065].
72. A. Abulencia *et al.* [CDF Collaboration], “Direct search for Dirac magnetic monopoles in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **96**, 201801 (2006) [arXiv:hep-ex/0509015].
73. A. Abulencia *et al.* [CDF Collaboration], “Measurement of the ratios of branching fractions $B(B_s^0 \rightarrow D_s^- \pi^+)/B(B^0 \rightarrow D^- \pi^+)$ and $B(B^+ \rightarrow \bar{D}^0 \pi^+)/B(B^0 \rightarrow D^- \pi^+)$,” Phys. Rev. Lett. **96**, 191801 (2006) [arXiv:hep-ex/0508014].
74. D. Acosta *et al.* [CDF Collaboration], “Measurement of b hadron masses in exclusive J/ψ decays with the CDF detector,” Phys. Rev. Lett. **96**, 202001 (2006) [arXiv:hep-ex/0508022].
75. A. Abulencia *et al.* [CDF Collaboration], “Measurements of Inclusive W and Z Cross Sections in p-pbar Collisions at $\sqrt{s} = 1.96$ TeV,” arXiv:hep-ex/0508029. Submitted to Phys. Rev. D
76. A. Abulencia *et al.* [CDF Collaboration], “Search for $B_s \rightarrow \mu^+ \mu^-$ and $B_d \rightarrow \mu^+ \mu^-$ decays in $p\bar{p}$ collisions with CDF II,” Phys. Rev. Lett. **95**, 221805 (2005) [Erratum-ibid. **95**, 249905 (2005)] [arXiv:hep-ex/0508036].
77. A. Abulencia *et al.* [CDF Collaboration], “Search for neutral MSSM Higgs bosons decaying to tau pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **96**, 011802 (2006) [arXiv:hep-ex/0508051].
78. D. Acosta *et al.* [CDF Collaboration], “Search for W and Z bosons in the reaction $p\bar{p} \rightarrow 2\text{jets} + \gamma$ at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. D **73**, 012001 (2006) [arXiv:hep-ex/0507051].
79. D. Acosta *et al.* [CDF 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**, 051104 (2005) [arXiv:hep-ex/0507067].
80. A. Abulencia *et al.* [CDF 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**, 252001 (2005) [arXiv:hep-ex/0507104].
81. D. Acosta *et al.* [CDF 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**, 032002 (2005) [arXiv:hep-ex/0506001].

82. D. Acosta *et al.* [CDF Collaboration], “Search for new physics using high mass tau pairs from 1.96 TeV $p\bar{p}$ collisions,” Phys. Rev. Lett. **95**, 131801 (2005) [arXiv:hep-ex/0506034].
83. D. Acosta *et al.* [CDF Collaboration], “A search for supersymmetric Higgs bosons in the di-tau decay mode in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. D **72**, 072004 (2005) [arXiv:hep-ex/0506042].
84. D. Acosta *et al.* [CDF Collaboration], “Search for first-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. D **72**, 051107 (2005) [arXiv:hep-ex/0506074].
85. D. Acosta *et al.* [CDF Collaboration], “Study of jet shapes in inclusive jet production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” arXiv:hep-ex/0505013. Submitted to Phys. Rev. D
86. A. Abulencia *et al.* [CDF Collaboration], “Evidence for the exclusive decay $B_c^\pm \rightarrow J/\psi\pi^\pm$ and measurement of the mass of the B_c meson,” Phys. Rev. Lett. **96**, 082002 (2006) [arXiv:hep-ex/0505076].
87. D. Acosta *et al.* [CDF Collaboration], “Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at the Collider Detector at Fermilab,” Phys. Rev. Lett. **95**, 102002 (2005) [arXiv:hep-ex/0505091].
88. D. Acosta *et al.* [CDF 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**, 052002 (2006) [arXiv:hep-ex/0504020].
89. D. Acosta *et al.* [CDF Collaboration], “ K_S^0 and Λ^0 production studies in $p\bar{p}$ collisions at $\sqrt{s} = 1800$ -GeV and 630-GeV,” arXiv:hep-ex/0504048. Submitted to Phys. Rev. D
90. D. Acosta *et al.* [CDF 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**, 052003 (2005) [arXiv:hep-ex/0504053].
91. D. Acosta *et al.* [CDF Collaboration], “Search for long-lived doubly-charged Higgs bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” Phys. Rev. Lett. **95**, 071801 (2005) [arXiv:hep-ex/0503004].
92. D. Acosta *et al.* [CDF Collaboration], “Search for Higgs bosons decaying into $b\bar{b}$ and produced in association with a vector boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV,” Phys. Rev. Lett. **95**, 051801 (2005) [arXiv:hep-ex/0503039].
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