Invited Talks, Presentations and Publication List
Anwar A Bhatti

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1 Invited Talks and Presentations

1. *Level-2 Calorimeter Trigger Upgrade at CDF*,
   Anwar Ahmad Bhatti et al. FERMILAB-CONF-07-165-E, Presented by Gene Flanagan at 15th IEEE Real Time Conference 2007 (RT 07),
   Batavia, Illinois, 29 Apr - 4 May 2007.

2. *Jet Performance and Jet Energy Scale Determination at CMS*,
   12th Internation Conference on Calorimetry in High Energy Physics,
   Chicago, IL, USA, June 5-9, 2006.

3. *Jet Energy Scale Determination and Inclusive Jet Cross Section Production at CDF*,
   Hadron Collider Physics Symposium 2005,
   Les Diablerets, Switzerland, July 4-9, 2005.

4. *QCD Studies at CDF II*,
   Workshop on Low x Physics,
   Sinaia, Romania, June 29- July 2, 2005.

5. *Diffractive Studies at CDF II*,
   Workshop on Low x Physics,
   Sinaia, Romania, June 29- July 2, 2005.

6. *Jet Studies at CDF*,
   DIS03, XI International Workshop on Deep Inelastic Scattering,
   St. Petersburg, April 23-27, 2003.

7. *Hard Diffraction Studies at CDF*,
   Workshop on pA Physics at RHIC,
   Brookhaven National Laboratory, Upton, NY, October 28-29, 2000.

8. *Jet Clustering at Tevatron*,
   Invited talk at IX International Conference on Calorimetery in Particle Physics,
   Annecy France, October, 2000.

9. *Jet Fragmentation Studies at Tevatron*,
   XXXth International Conference on High Energy Physics
   Osaka Japan, August 2000.

10. *Diffractive Di-jet Production at CDF*
    American Physical Society Meeting
    Long Beach CA, April 2000.

11. *CDF Run II Monte Carlo Project,*
    M.Shapiro, J.Lamoreaux, A. Bhatti, J.Bellinger, K.Shtrahl, B.Hinrichsen, J.Mayer, P.Savard, G. Velev, P.Murat, presented by P. Murat
    CHEP'98 Computing in High Energy Physics, August 31-September 4, 1998.

12. *Jet Studies at Hadron Collider,*
    22nd Nathiagali Summer College,
    Islamabad Pakistan, August 1997.

13. *Inclusive Jet Production at CDF,*
Frontiers in Contemporary Physics,
Nashville TN, May 1997.

14. *Inclusive Jet Production at CDF*,
Division of Particles and Fields meeting,
Minneapolis MN, August 1996.

15. *Inclusive Jet Production at* $\sqrt{s} = 630$ *GeV and test of scaling at CDF*,
Division of Particles and Fields meeting,
Minneapolis MN, August 1996.

16. *Inclusive Jet Production at CDF*,
LNS Journal Club Seminar,
Cornell University, Ithaca, July 26, 1996.

17. *Inclusive Jet Production at CDF*,
High Energy Physics Seminar,
Brookhaven National Laboratory, Brookhaven, New York June 13, 1996.

18. *Inclusive Jet Production at CDF*,
Special High Energy Physics Seminar,
Stanford Linear Accelerator Lab, Stanford, April 18,1996

19. *Inclusive Jet Production at CDF*,
High Energy Physics Seminar,
University of Washington, Seattle, April 16,1996.

20. *Inclusive Jet Production at CDF*,
High Energy Physics Seminar,
University of Chicago, Chicago, April 15,1996.

21. *Inclusive Jet Production at CDF*,
High Energy Physics Seminar,
Columbia University, New York, March 18,1996.

22. *Resent result on QCD studies at CDF*,
Les Recontres de Physique de la Vallee d Aoste Results and Perspective in Particle Physics,
La Thuile, Italy, March, 1996.

23. *Recent results from CDF*,
Physics Seminar,
Quad-e-Azam University, Islamabad, Pakistan January, 1996.

24. *Inclusive Jet Production at CDF*,
A review of the present status of the inclusive jet production at CDF,
Michigan State University, East Lansing Michigan, September 1995.

25. *Jet and Photon Physics at Tevatron*,
A review talk at XV International Conference on Physics in Collisions,
Crawcow, Poland June 8-10, 1995.

26. *Inclusive Jet Cross Section at CDF/DØ*,
10th Topical Workshop on Proton-Antiproton Collider Physics,
Fermilab, Batavia IL, May 12 1995.

27. *Rapidity Gap Physics with Jets at CDF*,
High Energy Physics seminar,
Argonne National Laboratory, Argonne IL, Jan 10, 1995.

28. *Rapidity Gaps with Same and Opposite Side Jet Pairs at CDF*,
2nd Workshop on Small-x and Diffractive Physics at Tevatron
Fermilab, Batavia IL, Sep. 22-24 1994.

29. *Measurement of Inclusive Jet Cross Section at CDF*,
American Physical Society meeting,
Washington DC, 1994.

30. *Resent result on QCD studies at CDF/D0*,
Les Recontres de Physique de la Vallee d Aoste Results and Perspective in Particle Physics,
La Thuile, Italy, 1994.

31. *Beam test results of the preshower and shower maximum detector for the SDC*
Division of Particles and Fields meeting Fermilab, Batavia IL, October 1992.

32. *D2/H2 Cross-section Ratio at Low Q^2 from Deep Inelastic Muon Scattering*
American Physical Society meeting,
Washington DC, April 1990.

2 List of Selected Publications

1. "Standard Model Handles and Candles Working Group: Tools and Jets Summary Report", C. Buttar *et al.*, Mar 2008. 94pp. e-Print: arXiv:0803.0678 [hep-ph].

2. "Search for Hadronic Decays of W and Z Bosons in Photon Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ GeV", T. Aaltonen *et al.*, The CDF Collaboration, submitted to Phys. Rev. D March 28, 2008, Fermilab-Pub-08-071-E.

3. "Determination of the Jet Energy Scale at the Collider Detector at Fermilab", A. Bhatti *et al.*, Nucl.Instrum.Meth. A566 (2006).

4. "Measurement of the Inclusive Jet Cross Section in $p\bar{p}$ Interactions at $\sqrt{s} = 1.96$ TeV Using a Cone-based Jet Algorithm," A. Abulencia et al., The CDF Collaboration, Phys. Rev. D**74**, 071103 (2006).

5. "The Underlying Event in Hard Interactions at the Tevatron Proton-Antiproton Collider", D. Acosta *et al.*, CDF Collaboration, Phys. Rev. bf D70, 072002 (2004).

6. "Measurement of the strong coupling constant from inclusive jet production at the Tevatron $p\bar{p}$ collider", T. Affolder *et al.*, Phys. Rev. Lett. **88**, 042001 (2002).

7. "Measurement of the inclusive jet cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$-TeV", T. Affolder *et al.*, Phys. Rev. D **64**, 032001 (2001) [Erratum-ibid. D **65**, 039903 (2002)].

8. "Events with a rapidity gap between jets in $p\bar{p}$ collisions at $\sqrt{s} = 630$-GeV", F. Abe *et al.*, Phys. Rev. Lett. **81**, 5278 (1998).

9. "Dijet production by color-singlet exchange at the Fermilab Tevatron", F. Abe *et al.*, Phys. Rev. Lett. **80**, 1156 (1998).

10. "Measurement of diffractive dijet production at the Tevatron", F. Abe *et al.* , Phys. Rev. Lett. **79**, 2636 (1997).

11. "Inclusive jet cross section in $\bar{p}p$ collisions at $\sqrt{s} = 1.8$ TeV", F. Abe *et al.* , Phys. Rev. Lett. **77**, 438 (1996).

3 CMS Collaboration Internal Reports

1. Performance of the SISCone Jet Clustering Algorithm
   A. Bhatti *et al.* CMS AN-2008/002.

2. Performance of Jet Algorithms in CMS
   A. Bhatti *et al.* CMS AN-2008/001.

3. Plans for Jet Energy Corrections at CMS
   S. Esen *et al.* CMS AN-2007/055.

4. Performance of the k_t jet algorithm in CMSSW
   P. Schieferdecker*et al.* CMS-IN-2007/062.

5. CMS Search Plans and Sensitivity to New Physics using Dijets
   Marco Cardaci *et al.* CMS AN-2007/039.

6. Jet and MET Performance in CMSSW_1_2_0
   M. Vazquez Acosta *et al.* CMS IN-2007/053.

7. Calorimeter Cell Energy Thresholds for Jet Reconstruction in CMS
   R. Demina etal CMS NOTE-2006/020.

8. Study of Cell Energy Thresholds in CMS Calorimeters for Jet Reconstruction
   R. Demina *et al.* CMS AN-2005/039.

4 CDF Collaboration Publications

1. "Search for the Rare Decays $B^+ \rightarrow \mu^+\mu^-K^+$, $B^0 \rightarrow \mu^+\mu^-K^*(892)^0$, and$B_s^0 \rightarrow \mu^+\mu^-\phi$ at CDF," T. Aaltonon et al., The CDF Collaboration, submitted to Phys. Rev. D Rapid Communications April 21, 2008. Fermilab-Pub-08-094-E.

2. "Search for Heavy, Long-Lived Neutralinos that Decay to Photons at CDF II Using Photon Timing," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. D April 8, 2008. Fermilab-Pub-08-078-E. arXiv:0804.1043.

3. "Search for Hadronic Decays of W and Z Bosons in Photon Events in ppbar Collisions at sqrt s = 1.96 GeV," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. D March 28, 2008. Fermilab-Pub-08-071-E.

4. "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," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. February 27, 2008. Fermilab-Pub-08-045-E. arXiv: 0802.3887.

5. "Two-particle Momentum Correlations in Jets Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. D February 21, 2008. Fermilab-Pub-08-037-E. arXiv:0802.3182

6. "Search for the Higgs Boson in Events with Missing Transverse Energy and b Quark Jets Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. February 4, 2008. Fermilab-Pub-08-023-E. arXiv:0802.0432.

7. "First Measurement of ZZ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. January 31, 2008. Fermilab-Pub-08-022-E. arXiv:0801.4806.

8. "Measurement of Ratios of Fragmentation Fractions for Bottom Hadrons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. D January 28, 2008. Fermilab-Pub-08-021-E. arXiv:0801.3877.

9. "Search for Heavy Top-like Quarks Using Lepton Plus Jets Events in 1.96 TeV $p\bar{p}$ Collisions," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. January 25, 2008. Fermilab-Pub-08-017-E. arXiv:0801.3877.

10. "Search for New Heavy Particles Decaying to $Z^0Z^0 \rightarrow$ eeee in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. D January 7, 2008. Fermilab-Pub-08-008-E.

11. "First Measurement of the Fraction of Top Quark Pair Production Through Gluon-Gluon Fusion," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. December 19, 2007. Fermilab-Pub-07-665-E.

12. "Model-Independent Global Search for New High-p_T Physics at CDF," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. December 18, 2007. Fermilab-Pub-07-667-E.

13. "First Flavor-Tagged Determination of Bounds on Mixing-Induced CP Violation in $B_s^0 \rightarrow J/\psi\phi$ Decays," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. December 14, 2007. Fermilab-Pub-07-663-E. arXiv:0712.2397.

14. "Model-Independent and Quasi-Model-Independent Search for New Physics at CDF," T. Aaltonen et al., The CDF Collaboration, submitted to Phys, Rev. D December 11, 2007. Fermilab-Pub-07-657-E. arXiv:0712.1311.

15. "Search for Doubly Charged Higgs Bosons with Lepton-Flavor-Violating Decays involving Tau Leptons," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. December 10, 2007. Fermilab-Pub-07-709-E.

16. "Observation of the Decay $B_c^{\pm} \rightarrow J/\psi\pi^{\pm}$ and Measurement of the $B_c^{\pm}$ Mass," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. December 10, 2007. Fermilab-Pub-07-644-E.

17. "Search for Resonant $t\bar{t}$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. September 6, 2007. Fermilab-Pub-07-455-E.

18. "First Run II Measurement of the W Boson Mass," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. D August 27, 2007. Fermilab-Pub-07-444-E.

19. "Search for Third Generation Vector Leptoquarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, submitted to Phys. Rev. Lett. June 15, 2007. Fermilab-Pub-07-207-E.

20. "Measurement of the Ratio of Branching Fractions $B(B^+ \rightarrow J/\psi\pi^+)/B(B^+ \rightarrow J/\psi K^+)$," A. Abulencia et al., The CDF Collaboration, submitted to Phys. Rev. D Rapid Communications, January 25, 2007. Fermilab-Pub-07-170-E.

21. "Cross Section Measurements of High-p_T Dilepton Final-State Processes Using a Global Fitting Method," A. Abulencia et al., The CDF Collaboration, submitted to Phys. Rev. D Rapid Communications December 22, 2006. Fermilab-Pub-06-486-E.

22. "Evidence for $D^0 - \overline{D}^0$ Mixing Using the CDF II Detector," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 121802 (2008).

23. "Search for $B_s^0 \rightarrow \mu^+\mu^-$ and $B^0 \rightarrow \mu^+\mu^-$ Decays with 2 fb^-1 of $p\bar{p}$ Collisions," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 101802 (2008).

24. "Observation of Exclusive Dijet Production at the Fermilab Tevatron $\bar{p}p$ Collider," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D**77**, 052004 (2008).

25. "Limits on the Production of Narrow $t\bar{t}$ Resonances in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D**77**, 051102 (2008).

26. "Measurement of Lifetime and Decay Width Difference in $B_s^0 \rightarrow J/\psi\phi$ Decays," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 121803 (2008). arXiv:0712.2348.

27. "First Measurement of the Production of a W Boson in Association with a Single Charm Quark in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 091803 (2008).

28. "Search for Chargino-Neutralino Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV with high-p_T Leptons," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D**77**, 052002 (2008).

29. "Measurement of Inclusive Jet Cross Sections in $Z/\gamma^*(\rightarrow e^+e^-)$+Jets Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 102001 (2008)

30. "Observation of Orbitally Excited B_s Mesons," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 082001 (2008).

31. "Direct Measurement of the W Boson Width in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 071801 (2008). arXiv:0710.4112.

32. "Cross Section Constrained Top Quark Mass Measurement from Dilepton Events at the Tevatron," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 062005 (2008). arXiv:0710.4037.

33. "Search for Standard Model Higgs Bosons Produced in Association with W Bosons," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 041801 (2008).

34. "First Observation of the Decay $B_s^0 \rightarrow D_s^- D_s^+$ and Measurement of Its Branching Ratio," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **100**, 021803 (2008).

35. "Measurement of the Cross Section for W-boson Production in Association with Jets in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D**77**, 011108 (2008).

36. "Search for Exclusive $\gamma\gamma$ Production in Hadron-Hadron Collisions," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **99**, 242002 (2007).

37. "First Observation of Heavy Baryons Σ_b and Σ_b^*, T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **99**, 202001 (2007).

38. "Search for Chargino-Neutralino Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. lett. **99**, 191806 (2007).

39. "Precise Measurement of the Top Quark Mass in the Lepton+Jets Topology at CDF II," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **99**, 182002 (2007).

40. "Search for Direct Pair Production of Supersymmetric Top and Supersymmetric Bottom Quarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D**76**, 072010 (2007).

41. "Search for New Physics in High Mass Electron-Positron Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **99**, 171802 (2007).

42. "Search for a High-Mass Diphoton State and Limits on Randall-Sundrum Gravitons at CDF," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **99**, 171801 (2007).

43. "First Measurement of the W Boson Mass in Run II of the Tevatron," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **99**, 151801 (2007).

44. "Polarization of J/ψ and $\psi(2S)$ Mesons Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **99**, 132001 (2007).

45. "Search for Heavy, Long-Lived Particles that Decay to Photons at CDF II," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **99**, 121801 (2007).

46. "Observation and Mass Measurement of the Baryon Ξ_b^-," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. **99**, 052002 (2007).

47. "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," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D**76**, 072009 (2007)

48. "Limits on Anomalous Triple Gauge Couplings in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D**76**, 111103 (2007).

49. "Search for New Particles Leading to Z+jets Final States in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D**76**, 072006 (2007).

50. "Measurement of the Top-Quark Mass Using Missing E_T + Jets Events with Secondary Vertex b-tagging at CDF II," T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D**75**, 111103 (2007).

51. "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," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 232001 (2007).

52. "Inclusive Search for New Physics with Like-Sign Dilepton Events in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 221803 (2007).

53. "Measurement of $\sigma(p\bar{p} \rightarrow Z) \cdot \mathcal{B}(Z \rightarrow \tau\tau)$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. D**75**, 092004 (2007).

54. "Search for New Physics in Lepton + Photon + X Events with 929pb$^-$1 of $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. D **75**, 112001 (2007).

55. "Observation of WZ Production," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 161801 (2007).

56. "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," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 251801 (2007).

57. "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," A. Abulencia et al., The CDF Collaboration, Phys. Rev. D**75**, 092006 (2007).

58. "Precision Measurement of the Top Quark Mass from Dilepton Events at CDF II," A. Abulencia et al., The CDF Collaboration, Phys. Rev. D**75**, 031105 (2007).

59. "Measurement of the Top Quark Mass in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV using the Decay Length Technique," A. Abulencia et al., The CDF Collaboration, Phys. Rev. D**75**, 071102 (2007).

60. "Analysis of the Quantum Numbers J^{PC} of the X(3872)," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 132002 (2007).

61. "Search for Anomalous Production of Multilepton Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 131804 (2007).

62. "Measurement of the Top-Quark Mass in All-Hadronic Decays in $p\bar{p}$ Collisions at CDF II," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 142001 (2007).

63. "Search for Exotic S = -2 Baryons in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. D**75**, 032003 (2007).

64. "Measurement of the B^+ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1960 GeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. D**75**, 012010 (2007).

65. "Measurement of the Helicity Fractions of W Bosons from Top Quark Decays using Fully Reconstructed $t\bar{t}$ Events with CDF II," A. Abulencia et al., The CDF Collaboration, Phys. Rev. D**75**, 052001 (2007).

66. "Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 112001 (2007).

67. "Measurements of Inclusive W and Z Cross Sections in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV," A. Abulencia et al., The CDF Collaboration, J. Phys. G: Nucl. Part. Phys. 34 (2007) 2457-2544.

68. "Search for W' Boson Decaying to Electron-Neutrino Pairs in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. **D75**, 091101 (2007).

69. "Measurement of the Ratios of Branching Fractions $B(B_s^0 \to D_s^- \pi^+ \pi^+ \pi^-)/B(B^0 \to D^- \pi^+ \pi^+ \pi^-)$ and $B(B_s^0 \to D_s^- \pi^+)/B(B^0 \to D^- \pi^+)$," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 061802 (2007).

70. "Measurement of the Λ_b^0 Lifetime in $\Lambda_b^0 \to J/\psi \Lambda^0$ in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 122001 (2007).

71. "Search for V + A Current in Top Quark Decay in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **98**, 072001 (2007)

72. "Observation of $B_s^0 - \bar{B}_s^0$ Oscillations," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **97**, 242003 (2006).

73. "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," A. Abulencia et al., The CDF Collaboration, Phys. Rev. **D74**, 072005 (2006).

74. "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," A. Abulencia et al., The CDF Collaboration, Phys. Rev. **D74**, 072006 (2006).

75. "Observation of $B_s^0 \to K^+K^-$ 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," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **97**, 211802 (2006).

76. "Search for Excited and Exotic Muons in the $\mu\gamma$ Decay Channel in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **97**, 191802 (2006).

77. "Measurement of the $B_s^0 - \bar{B}_s^0$ Oscillation Frequency," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **97**, 062003 (2006).

78. "Measurement of the $t\bar{t}$ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV," A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. **97**, 082004 (2006).

79. "Top Quark Mass Measurement from Dilepton Events at CDF II with the Matrix-Element Method," A. Abulencia et al., The CDF Collaboration, Phys. Rev. **D74**, 032009 (2006).

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