

**Dr. D. S. Waters**  
**Publication List from January 2002**

## **1 Refereed Papers in Primary Journals**

### **1.1 Primary Co-Author**

- [1] [\*] D. Acosta *et al.* [CDF Collaboration], “Measurement of the  $W^+ W^-$  production cross section in  $p$  anti- $p$  collisions at  $s^{*(1/2)} = 1.96$ -TeV using dilepton events,” *Phys. Rev. Lett.* **94**, 211801 (2005) [arXiv:hep-ex/0501050].

### **1.2 Internal Reviewer**

- [2] 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  $p$  anti- $p$  collisions at  $s^{*(1/2)} = 1.8$ -TeV,” arXiv:hep-ex/0504020.
- [3] [\*] 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  $p$  anti- $p$  collisions at  $s^{*(1/2)} = 1.8$ -TeV,” *Phys. Rev. D* **70**, 032004 (2004) [arXiv:hep-ex/0311050].
- [4] D. Acosta *et al.* [CDF Collaboration], “Search for a  $W'$  boson decaying to a top and bottom quark pair in 1.8-TeV  $p$  anti- $p$  collisions. ((B)),” *Phys. Rev. Lett.* **90**, 081802 (2003) [arXiv:hep-ex/0209030].
- [5] D. Acosta *et al.* [CDF Collaboration], “Search for single top quark production in  $p$  anti- $p$  collisions at  $s^{*(1/2)} = 1.8$ -TeV,” *Phys. Rev. D* **65**, 091102 (2002) [arXiv:hep-ex/0110067].

### **1.3 Other**

- [6] D. Acosta *et al.* [CDF Collaboration], “A search for supersymmetric Higgs bosons in the di-tau decay mode in  $p$  anti- $p$  collisions at  $s^{*(1/2)} = 1.8$ -TeV,” arXiv:hep-ex/0506042.
- [7] D. Acosta *et al.* [CDF Collaboration], “Measurement of the  $t$  anti- $t$  production cross section in  $p$  anti- $p$  collisions at  $s^{*(1/2)} = 1.96$ -TeV using lepton plus jets events with semileptonic  $B$  decays to muons,” arXiv:hep-ex/0506001.
- [8] D. Acosta *et al.* [CDF Collaboration], “Measurement of  $B(t \rightarrow W b)/B(t \rightarrow W q)$  at the Collider Detector at Fermilab,” arXiv:hep-ex/0505091.
- [9] D. Acosta *et al.* [CDF Collaboration], “Evidence for the exclusive decay  $B/c^{+-} \rightarrow J/\psi \pi^{+-}$  and measurement of the mass of the  $B/c$  meson,” arXiv:hep-ex/0505076.

- [10] D. Acosta *et al.* [CDF Collaboration], “Study of jet shapes in inclusive jet production in p anti-p collisions at  $\sqrt{s} = 1.96\text{-TeV}$ ,” arXiv:hep-ex/0505013.
- [11] D. Acosta *et al.* [CDF Collaboration], “Measurement of the cross section for t anti-t production in p anti-p collisions using the kinematics of lepton + jets events,” arXiv:hep-ex/0504053.
- [12] D. Acosta *et al.* [CDF Collaboration], “K0(S) and Lambda0 production studies in p anti-p collisions at  $\sqrt{s} = 1800\text{-GeV}$  and  $630\text{-GeV}$ ,” arXiv:hep-ex/0504048.
- [13] D. Acosta *et al.* [CDF Collaboration], “Search for Higgs bosons decaying into b anti-b and produced in association with a vector boson in proton antiproton collisions at  $\sqrt{s} = 1.8\text{-TeV}$ ,” arXiv:hep-ex/0503039.
- [14] D. Acosta *et al.* [CDF Collaboration], “Search for long-lived doubly-charged Higgs bosons in p anti-p collisions at  $\sqrt{s} = 1.96\text{-TeV}$ ,” arXiv:hep-ex/0503004.
- [15] D. Acosta *et al.* [CDF Collaboration], “First evidence for  $B/s \rightarrow \Phi \Phi$  decay and measurements of branching ratio and A(CP) for  $B^+ \rightarrow \Phi K^+$ ,” arXiv:hep-ex/0502044.
- [16] D. Acosta *et al.* [CDF Collaboration], “Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays,” arXiv:hep-ex/0502003.
- [17] D. Acosta *et al.* [CDF Collaboration], “Measurement of the forward-backward charge asymmetry from  $W \rightarrow e \nu$  production in p anti-p collisions at  $\sqrt{s} = 1.96\text{-TeV}$ ,” arXiv:hep-ex/0501023.
- [18] D. Acosta *et al.* [CDF Collaboration], “Search for Z Z and Z W production in p anti-p collisions at  $\sqrt{s} = 1.96\text{-TeV}$ ,” arXiv:hep-ex/0501021.
- [19] D. Acosta *et al.* [CDF Collaboration], “Measurement of the J/psi meson and b-hadron production cross sections in p anti-p collisions at  $\sqrt{s} = 1960\text{-GeV}$ ,” arXiv:hep-ex/0412071.
- [20] D. Acosta *et al.* [CDF Collaboration], “Analysis of decay-time dependence of angular distributions in  $B/s \rightarrow J/\psi \Phi$  and  $B/d \rightarrow J/\psi K^0$  decays and measurement of the lifetime difference between B/s mass eigenstates,” arXiv:hep-ex/0412057.
- [21] D. Acosta *et al.* [CDF Collaboration], “Measurement of the cross section for prompt diphoton production in p anti-p collisions at  $\sqrt{s} = 1.96\text{-TeV}$ ,” arXiv:hep-ex/0412050.
- [22] D. Acosta *et al.* [CDF Collaboration], “Search for anomalous kinematics in t anti-t dilepton events at CDF II,” arXiv:hep-ex/0412042.
- [23] D. Acosta *et al.* [CDF Collaboration], “Measurements of bottom anti-bottom azimuthal production correlations in proton antiproton collisions at  $\sqrt{s} = 1.8\text{-TeV}$ ,” arXiv:hep-ex/0412006.
- [24] 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)] [arXiv:hep-ex/0411070].

- [25] D. Acosta *et al.* [CDF Collaboration], “Measurement of the forward-backward charge asymmetry of electron positron pairs in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$ ,” arXiv:hep-ex/0411059.
- [26] D. Acosta *et al.* [CDF Collaboration], “Measurement of charged particle multiplicities in gluon and quark jets in proton anti-proton collisions at  $s^{**}(1/2) = 1.8\text{-TeV}$ ,” FERMILAB-PUB-04-113-E
- [27] D. Acosta *et al.* [CDF Collaboration], “Search for scalar leptoquark pairs decaying to  $\nu$  anti- $\nu$  q anti-q in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$ ,” arXiv:hep-ex/0410076.
- [28] D. Acosta *et al.* [CDF Collaboration], “Search for electroweak single top quark production in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$ ,” Phys. Rev. D **71**, 012005 (2005) [arXiv:hep-ex/0410058].
- [29] D. Acosta *et al.* [CDF Collaboration], “Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models,” arXiv:hep-ex/0410053.
- [30] D. Acosta *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 lepton + jets events with secondary vertex b-tagging,” arXiv:hep-ex/0410041.
- [31] D. Acosta *et al.*, “Comparison of three-jet events in p anti-p collisions at  $s^{**}(1/2) = 1.8\text{-TeV}$  to predictions from a next-to-leading order QCD calculation,” arXiv:hep-ex/0410018.
- [32] D. Acosta *et al.* [CDF Collaboration], “Measurement of partial widths and search for direct CP violation in  $D^0$  meson decays to  $K^- K^+$  and  $\pi^- \pi^+$ ,” FERMILAB-PUB-04-148-E
- [33] D. Acosta *et al.*, “Search for excited and exotic electrons in the e gamma decay channel in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$ ,” arXiv:hep-ex/0410013.
- [34] D. Acosta *et al.* [CDF II Collaboration], “Measurement of W gamma and Z gamma production in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$ ,” Phys. Rev. Lett. **94**, 041803 (2005) [arXiv:hep-ex/0410008].
- [35] D. Acosta *et al.* [CDF-II Collaboration], “Measurement of the t anti-t production cross section in p anti-p collisions at  $s^{**}(1/2) = 1.96\text{-TeV}$  using kinematic fitting of b-tagged lepton + jet events,” arXiv:hep-ex/0409029.
- [36] 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) [arXiv:hep-ex/0406078].
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- [41] D. Acosta *et al.* [CDF Collaboration], “The underlying event in hard interactions at the Tevatron anti- $p$   $p$  collider,” *Phys. Rev. D* **70**, 072002 (2004) [arXiv:hep-ex/0404004].
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- [43] D. Acosta *et al.* [CDF Collaboration], “Search for  $B/s_0 \rightarrow \mu^+ \mu^-$  and  $B/d_0 \rightarrow \mu^+ \mu^-$  decays in  $p$  anti- $p$  collisions at  $s^{**}(1/2) = 1.96$ -TeV,” *Phys. Rev. Lett.* **93**, 032001 (2004) [arXiv:hep-ex/0403032].
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## 2 Contributions to Symposia and Compiled Volumes

- [65] [\*] P. Crosby, D. Waters and D. Colling, “Efficiency of resource brokering in grids for high-energy physics computing,” *IEEE Trans. Nucl. Sci.* **51**, 884 (2004).
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