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PUBLICATIONS

- “Lifetime of the ω Meson,” Phys. Rev. Lett. **11**, 438 (1963).
- “Test of the Validity of the $\Delta S = \Delta Q$ Rule in K^0 Decay,” Phys. Rev. Lett. **13**, 35 (July 1964).
- “Possible Violation of $\Delta S = \Delta Q$,” International Conference on Fundamental Aspects of Weak Interactions (Brookhaven National Laboratory, Upton, New York), p. 53 (1964).
- “Determination of the $\Sigma - \Lambda$ Relative Parity,” Phys. Rev. **137**, B1105 (Feb. 1965).
- “Antiproton Annihilations at Rest I. Reaction $\bar{p} + p \rightarrow K + K + \pi$,” Phys. Rev. **139**, B1659 (Sept. 1965).
- “Annihilations of Antiprotons at Rest into Two Mesons,” Phys. Rev. Lett. **15**, 532 (Sept. 1965).
- “Antiproton Annihilation in Hydrogen at Rest,” Intl. Conf. Elementary Particles, Oxford 1965.
- “A Test of Time Reversal Invariance,” Intl. Conf. Elementary Particles, Oxford 1965.
- “Test of Charge-Conjugation Invariance in $\bar{p}p$ Annihilations at Rest,” Phys. Rev. Lett. **15**, 591 (Oct. 1965).
- “Some Features of K^0 Decay: The $\Delta S = \Delta Q$ Rule, and the $\Delta I = 1/2$ Rules for Leptonic and Three-Pion Decays,” Phys. Rev. **140**, B127 (Oct. 1965).
- “Measurement of the K^0 Mass and the $K^0 - K^-$ Mass Difference,” Phys. Rev. **140**, B1334 (Dec. 1965).
- “Annihilations of Antiprotons at Rest in Hydrogen IV. $\bar{p}p \rightarrow \bar{K}K\pi\pi$,” Phys. Rev. **145** 1095 (May 1966).
- “Experimental Evidence Concerning Charge Conjugation Invariance in the Decay of the ω Meson,” Phys. Rev. Lett. **16** 1224 (1966).
- “Experimental Test of Time Reversal Invariance in $\Sigma^0 \rightarrow \Lambda^0 e^+ e^-$,” Phys. Rev. Lett. **17** 603 (Sept. 1966).
- “A Measurement of the K_1^0 Lifetime,” Phys. Rev. **147**, 939 (1966).
- “Production of the Neutral A_2 Meson in the Reaction $\pi^+ p \rightarrow N^{*++} + \pi^+ + \pi^- + \pi^0$,” Phys. Lett. **25B**, 160 (1967).
- “Neutral Decay Branching Ratios of the η^0 Meson,” Phys. Rev. Lett. **19**, 1495 (1967).
- “Annihilation of Antiprotons at Rest in Hydrogen VI. Kaonic Final States,” Phys. Rev. **156**, 1399 (1967).
- “Partial Decay Rates of the η^0 Meson,” Phys. Rev. Lett. **19**, 1498 (1967).
- “Search for a Strange Boson of Mass Less than 670 MeV,” Phys. Rev., Vol. 175, No. 5 (1968).
- “ Ξ Resonances Below 2 GeV” (with University of Maryland, Syracuse and Tufts Universities). Invited paper presented by R. J. Hemingway at the Duke Conference on Hyperon Resonances in “Hyperon Resonances 1970” (Durham, 1970), p. 317.

“ Ξ Resonances in $K^-p \rightarrow \Xi\pi K$ at 2.87 GeV/c” (S. Apsell, N. Schmidt, P. Schmidt, C. Y. Chang, M. Goldberg, J. Bartley et al), Phys. Rev. Lett., **23**, 884 (1969).

“Evidence for Ξ Resonances in the $\Xi(1530)\pi$ System” (with Univ. of Maryland, Syracuse University, and Tufts University), Phys. Rev. Lett. **24**, 777 (1970).

“Cascade Resonance Production in the 1.6 to 2.0 GeV Mass Region Part I: Mass Distribution,” XV International Conference on High Energy Physics, Kiev (1970).

“Cascade Resonances Production in the 1.6 to 2.0 GeV Mass Region Part II: Production Characteristics,” XV International Conference on High Energy Physics, Kiev (1970).

“The Width of the Ξ^{*0} (1530)” (with S. Apsell, et al). Paper submitted at the XV Intern’tl Conf. H. E. Phys. (Kiev, 1970).

“Study of Ξ Resonances” (with C. Chang, M. Goldberg, G. C. Moneti), BNL 1971 Summer Workshop on Spectrometers, BNL 16154 (1971).

“The Mass and Width of the $\Xi(1530)$ ” (with University of Maryland, Syracuse University, and Tufts University), Nucl. Phys. B**40**, 349 (1972).

“A Study of the Reaction $K^- + p \rightarrow \Xi^- + \text{Anything}$ for Incident Momenta between 2.9 and 5.0 GeV/c” (with University of Maryland, Syracuse and Tufts Universities), Proc. XVI Intern’tl Conf. H. E. Physics, Chicago (1972).

“Cascade Resonance (Non-) Production in K^-n Interactions at 2.9 GeV/c” (with Syracuse and Tufts Universities). Invited paper at Purdue Conference on Baryon Resonances (1973).

“Study of the η' Produced in K^-p Interactions at 2.885 (GeV/c)” (with University of Maryland, Syracuse and Tufts Universities), Phys. Rev. D**8**, 18 (1974).

“ $K^-n \rightarrow \Sigma - \eta$ Near Threshold” (with Tufts University), Il Nuovo Cimento **20**, 35 (1974).

“Production and Decay of $\Sigma(1660)$ ” (with Univ. of Maryland, Syracuse and Tufts Universities), Phys. Rev. D**10**, 1419 (1974).

“Search for Ξ^* Resonances in 2.87 GeV.c K^-n Interactions” (with University of Maryland, Syracuse and Tufts Universities), Phys. Rev. D**12**, 1859 (1975).

“Observation of the Reaction $\bar{p}p \rightarrow V^0 + \text{Neutrals}$ at Incident Momentum of 3.0 GeV/c” (with Univ. of Cincinnati and Syracuse Univ.), Bull. Am. Phys. Soc. **21**, 1300 (1976).

“Polarization of Λ ’s in the Reaction $pp \rightarrow V^0 + \text{Neutrals}$ at Incident Momentum 3.0 GeV/c” (with Univ. of Cincinnati and Syracuse Univ.), Bull Am. Phys. Soc. **22**, 62 (1977).

“Search for the Formation of New Particles in $\bar{p}p$ Reactions Near 3 GeV” (with Brookhaven Nat’l Lab., CCNY, Carnegie-Mellon Univ., Univ. of Cincinnati, Univ. of Mass., Univ. of Penn., South Mass. Univ., and Syracuse Univ.), Nucl. Phys. B**119**, 77 (1977).

“Search for Ξ^* Production in K^-p Interactions at 2.87 GeV/c” (with E. Briefel, et al), Phys. Rev. D**16**, 2706 (1977).

“Neutral Strange Particle Production in Antiproton-Proton Reactions at 3.0 GeV/c” (with S. Jacobs, et al), Phys. Rev. D**17**, 1187 (1978).

“Triggering at ISABELLE” (with G. Abshire, J. H. Christenson, D. Cutts, B. G. Gibbard, R. A. Johnson, P. F. M. Koehler, K. Kondo, A. Lesnick, G. Moneti, G. R. Morris, R. J. Plano, M. S. L. Rabin, A. L. Read, M. Sakitt, J. Sculli, J. A. Thompson, and E. Willen), Proc. 1978 Summer Workshop, BNL 50885, p. 64 (1978).

“Report of the Subgroup on Fast Processing” (with B. G. Gibbard, G. Moneti, R. J. Plano, M. S. Z. Rabin, and E. Willen), Proc. 1978 Summer Workshop, BNL 50885, p. 81 (1978).

“Data Handling for the Lepton Detector” (with D. Cutts, T. F. Droege, A. Kasha, L. Littenberg, J.A.J. Matthews, M.S.Z. Rabin, and J. Scharenguivel), Proc. 1978 Summer Workshop, BNL 50885, p. 357 (1978).

“Resonance Production in $K^-n \rightarrow \Sigma^- \pi^+ \pi^- (\pi^0)$ Reactions at 2.87 GeV/c” (with Tufts University), Phys. Rev. D**18**, 16 (1978).

“Peripheral Production and Decay of $K_s^0 K_s^0$ in the Reaction $\pi^- p \rightarrow K_s^0 K_s^0 + \text{Neutrals}$ at 15.4 GeV/c” (with Syracuse Univ., Brookhaven, and Univ. Cincinnati), Phys. Rev. D**22**, 1503 (1980).

“Search for Narrow $\bar{p}p$ States in the Reactions $\bar{p}p \rightarrow \bar{p}p \pi^0$ and $\bar{p}p \rho^0$ at 5 GeV/c” (with S. U. Chung, *et al.*), Phys. Rev. Lett. **46**, 6, 395 (1981).

“Search For Charm Particle Production in $\pi^- p$ Interactions at 15.4 GeV/c” (with Syracuse University, Brandeis University, Brookhaven National Laboratory, University of Cincinnati), Nuclear Physics B**213** (1983).

“Search for Production of Narrow $\bar{p}p$ States with a 5-GeV/c \bar{p} Beam” (with Brookhaven National Laboratory, University of Cincinnati, Florida State University, and Southeastern Massachusetts University), Phys. Rev. D**24**, 1417 (1983).

“Existence of Ξ Resonance Above 2 GeV” (with Brookhaven National Laboratory, University of Cincinnati, Florida State University, and Southeastern Massachusetts University), Phys. Rev. Lett. **51**, 951 (1983).

“Search for Narrow States with Baryon Number Zero and Strangeness -1 in Anti- $pp \rightarrow K^+ (slow) X^-$ at 5-GeV/c” (with Brookhaven National Laboratory, University of Cincinnati, Florida State University, Southeastern Massachusetts University), Phys. Rev. D**30**, 1409 (1984).

“Measurement of Decay Parameters and Polarization in Inclusive Ξ^- Production from $K^- p$ Interactions” (with Brookhaven National Laboratory, University of Cincinnati, Florida State University and Southeastern Massachusetts University), Nuc. Phys. B**252**, 561 (1985).

“Analog Gate Circuits for Fast Trigger Applications” (with M. Fortner, J. Bensinger, R. Poster, and P. Zografou), Proceedings of the Workshop on Triggering Data Acquisition and Computing for High Energy/High Luminosity Hadron-Hadron Colliders (eds., B. Cox, R. Fenner, P. Hale), Fermi National Accelerator Laboratory, Batavia, Illinois, 1985.

“Properties of the $K_s K_s \pi^0$ System Produced in the Reaction $\pi^- p \rightarrow n K_s K_s \pi^0$ at 23 GeV/c” (with University of Notre Dame, Brookhaven National Laboratory, City College of New York, Duke University), Bull. Am. Phys. Soc. (1986).

“A Measurement of $\pi^- p \rightarrow K_s^0 K_s^0 n$ at 22 GeV/c and a Systematic Study of the 2^{++} Meson Spectrum” (with Brookhaven National Laboratory, City College of New York, Duke University,

University of Notre Dame), Phys. Lett. **177B**, 223 (1986).

“Study of the $K_s K_s \pi^0$ System Produced in the Reaction $\pi^- p \rightarrow n K_s K_s \pi^0$ at 23 GeV/c” (with University of Notre Dame, Brookhaven National Laboratory, City College of New York, Duke University). Abstract submitted for the Meeting of the Division of Particles and Fields, Salt Lake City, Utah, January 14-17, 1987.

“ $\pi^- p \rightarrow K_s^0 K_s^0 n$ at 22 GeV/c and a Systematic Study of the 2^{++} and 0^{++} Meson Spectrum” (with Brookhaven National Laboratory, City College of New York, Duke University, University of Notre Dame). Paper submitted to the 2nd International Conference on Hadron Spectroscopy, KEK, Tsukuba, JAPAN, April 1987.

“An Electromagnetic Calorimeter for the Small Angle Regions of the Collider Detector at Fermilab” (with Harvard University), Nucl. Instrum. Methods in Physics Research, **A267**, 257 (1988).

“CDF Calorimetry” (with the CDF Collaboration), NIM A265, 186 (1988).

“The CDF Detector: An Overview” (with the CDF Collaboration), Nucl. Instrum. Methods in Physics Research, **A271**, 387 (1988).

“Transverse Momentum Distribution of Charged Particles Produced in $\bar{p}p$ Interactions at $\sqrt{s} = 630$ and 1800 GeV” (with the CDF Collaboration), Phys. Rev. Lett. **61**, 1819 (1988).

“Evidence for $\iota(1460)$ Production in $\pi^- p$ Interactions at 21.4 GeV/c” (with University of Notre Dame, Duke University, City College of New York, and Brookhaven National Laboratory) Phys. Rev. Lett. **61**, 802 (1988).

“Upper Limit for the $\Xi^0 \rightarrow \Sigma^0 \gamma$ Radiative Decay,” (with Duke University, Notre Dame University, Southeastern Massachusetts University), Phys. Lett. **215B**, 195 (1988).

“Hadroproduction of the Iota Meson Observed in the $K_s K_s \pi^0$ Final State,” (with University of Notre Dame, Brookhaven National Laboratory, City College of New York, and Duke University), Proc. of the BNL Workshop on Glueballs, Hybrids, and Exotic Mesons, Brookhaven National Laboratory, Aug. 29–Sept. 1, 1988. American Institute of Physics Conference Proceedings 185, Particles and Fields Series 36, **334** (1989), S. U. Chang, editor.

“Measurement of W Boson Production in 1.8 TeV $\bar{p}p$ Collisions” (with the CDF Collaboration), Phys. Rev. Lett. **62**, 1005 (1989).

“Measurement of the Inclusive Jet Cross Section in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV” (with The CDF Collaboration), Phys. Rev. Lett. **62**, 6, 613 (1989).

“Limits on the Masses of Supersymmetric Particles from 1.8 TeV $p\bar{p}$ Collisions” (with the CDF Collaboration), Phys. Rev. Lett. **62**, 1825 (1989).

“Dijet Angular Distribution from $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **62**, 3020 (1989).

“Measurement of the Mass and Width of the Z^0 Boson at the Fermilab Tevatron” (with the CDF Collaboration), Phys. Rev. Lett. **63**, 7, 720 (1989).

“Search for Heavy Stable Charged Particles in 1.8-TeV $p\bar{p}$ Collisions at the Fermilab Collider” (with the CDF Collaboration), Phys. Rev. Lett. **63**, 14, 1447 (1989).

“ K_s^0 Production in $\bar{p}p$ Interactions at $\sqrt{s} = 630$ and 1800 GeV” (with the CDF Collaboration), Phys. Rev. D, Rapid Communication **40**, 3791 (1989).

“The Two-Jet Invariant-Mass Distribution at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. D, Rapid Communication **41**, 1722 (1990).

“A Measurement of D^* Production in Jets from $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **64**, 348 (1990).

“Pseudorapidity Distributions of Charged Particles Produced in $\bar{p}p$ Interactions at $\sqrt{s} = 630$ and 1800 GeV” (with the CDF Collaboration), Phys. Rev. **D41**, 2330 (1990).

“Two-Jet Differential Cross Section in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **64**, 157 (1990).

“A Search for the Top Quark in the Reaction $\bar{p}p \rightarrow \text{Electron} + \text{Jets}$ at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **64**, 142 (1990).

“A Search for New Heavy Quarks in Electron-Muon Events at the Fermilab Tevatron Collider” (with the CDF Collaboration), Phys. Rev. Lett. **64**, 147 (1990).

“Search for a Light Higgs Boson at the Tevatron Proton-Antiproton Collider” (with the CDF Collaboration), Phys. Rev. D, Rapid Communications **41**, 1717 (1990).

“Measurement of the Ratio $\sigma(W \rightarrow e\nu)/\sigma(Z \rightarrow ee)$ in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **64**, 152 (1990).

“Jet-Fragmentation Properties in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **65**, 968 (1990). “Measurement of the W -Boson Mass” (with the CDF Collaboration), Phys. Rev. Lett. **65**, 2243 (1990).

“Top-Quark Search in the Electron + Jets Channel in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. **D43**, 664 (1991).

“A Measurement of the W -Boson Mass in 1.8-TeV $\bar{p}p$ Collisions” (with the CDF Collaboration), Phys. Rev. D **43**, 2070 (1991).

“Measurement of QCD Jet Broadening in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D44**, 601 (1991).

“A Determination of $\sin^2 \theta_W$ from the Forward-Backward Asymmetry in $p\bar{p} \rightarrow Z^0 X \rightarrow e^+ e^- X$ Interactions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **67**, 1502 (1991).

“A Measurement of $\sigma(W \rightarrow e\nu)$ and $\sigma(Z^0 \rightarrow e^+ e^-)$ in $\bar{p}p$ Collisions at $\sqrt{s} = 1800$ GeV,” (with the CDF Collaboration), Phys. Rev. **D44**, 29 (1991).

“Measurement of the W Boson P_T Distribution in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **66**, 2951 (1991).

“Measurement of the Zp_T Distribution in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **67**, 2937 (1991).

“Measurement of the $e^+ e^-$ Invariant Mass Distribution in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **67**, 2418 (1991).

“Search for $W' \rightarrow e\nu$ and $W' \rightarrow \mu\nu$ in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **67**, 2609 (1991).

“Measurement of $B^0\bar{B}^0$ Mixing at the Fermilab Tevatron Collider,” (with the CDF Collaboration), Phys. Rev. Lett. **67**, 3351 (1991).

“Measurement of the Ratio $\sigma B(W \rightarrow \tau\nu)/\sigma B(W \rightarrow e\nu)$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV, as a Test of Lepton Universality,” (with the CDF Collaboration), Phys. Rev. Lett. **68**, 3398 (1992).

“Lepton Asymmetry in W Decays from $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **68**, 1458 (1992).

“Topology of Three Jet Events in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D45**, 1448 (1992).

“Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **68**, 1104 (1992).

“A Lower Limit on the Top Quark Mass from Events with Two Leptons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **68**, 447 (1992).

“Search for Squarks and Gluinos from $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **69**, 3439 (1992).

“Properties of Events with Large Total Transverse Energy Produced in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D45**, 2249 (1992).

“A Search for New Gauge Bosons in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **68**, 1463 (1992).

“A Limit on the Top Quark Mass from Proton-Antiproton Collisions at $\sqrt{s} = 1800$ GeV,” (with the CDF Collaboration), Phys. Rev. **D45**, 3921 (1992).

“A Measurement of the B Meson and b Quark Cross Section at $\sqrt{s} = 1.8$ TeV Using the Exclusive Decay $B^\pm \rightarrow J/\psi K^\pm$,” Phys. Rev. Lett. **68**, 3403 (1992).

“Measurement of the Isolated Prompt Photon Cross Section Measurement in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **68**, 2734 (1992).

“Measurement of the Production and Muonic Decay Rate of W and Z Bosons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **69**, 28 (1992).

“Limit on the Rare Decay $W^\pm \rightarrow \gamma + \pi^\pm$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **69**, 2160 (1992).

“The Dijet Angular Distribution at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **69**, 2896 (1992).

“Inclusive $J\psi$, $\psi(2S)$, and b -Quark Production in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **69**, 3704 (1992).

“Limits on the Production of Massive Stable Charged Particles,” (with the CDF Collaboration), Phys. Rev. **D46**, 1889 (1992).

“Measurement of Jet Shapes in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration),

Phys. Rev. Lett. **70**, 713 (1993).

“Comparison of Jet Production in $\bar{p}p$ Collisions at $\sqrt{s} = 546$ and 1800 GeV,” (with the CDF Collaboration), Phys. Rev. Lett. **70**, 1376 (1993).

“Measurement of the Cross Section for Production of Two Isolated Prompt Photons in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **70**, 2232 (1993).

“Measurement of Jet Multiplicity in W Events Produced in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **70**, 4042 (1993).

“Measurement of the Bottom-Quark Production Cross Section Using Semileptonic Decay Electrons in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **71**, 500 (1993).

“Center-of-Mass Angular Distribution of Prompt Photons Produced in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV” (with the CDF Collaboration), Phys. Rev. Lett. **71**, 679 (1993).

“Search for $\Lambda_b \rightarrow J/\psi \Lambda^0$ in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D47**, 2639 (1993).

“Study of Four-Jet Events in Evidence for Double Parton Interactions in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D47**, 4857 (1993).

“Measurement of the Dijet Mass Distribution in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D48**, 998 (1993).

“Search for First-Generation Leptoquarks in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D48-9**, Rapid Comm. R3939 (1993).

“Prompt Photon Cross-Section Measurement in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D48-7**, 2998 (1993).

“Search for Quark Compositeness, Axiguons and Heavy Particles Using the Dijet Invariant Mass Spectrum Observed in $p\bar{p}$ Collisions,” (with the CDF Collaboration), Phys. Rev. Lett. **71**, 2542 (1993).

“Observation of the Decay $B_s^0 \rightarrow J/\psi \phi$ in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **71**, 1685 (1993).

“Measurement of the Average Lifetime of B-hadrons Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **71**, 3421 (1993).

“Measurement of Drell–Yan Electron and Muon Pair Differential Cross Sections in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D49**, Rapid Comm. R1 (1994).

“Search for the Top Quark Decaying to Charged Higgs Boson in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **72-13**, 1977 (1994).

“Search for Excited Quarks in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **72-19**, 3004 (1994).

“A Measurement of the B Meson and b Quark Cross Sections at $\sqrt{s} = 1.8$ TeV Using the Exclusive Decay $B^0 \rightarrow J/\psi K^*(892)^0$,” (with the CDF Collaboration), Phys. Rev. **D50**, 4252 (1994).

“Measurement of Small Angle Antiproton-Proton Elastic Scattering at $\sqrt{s} = 546$ and 1800 GeV,”

(with the CDF Collaboration), Phys. Rev. **D50**, 5518 (1994).

“Measurement of the $\bar{p}p$ Single Diffraction Dissociation at $\sqrt{s} = 546$ and 1800 GeV,” (with the CDF Collaboration), Phys. Rev. **D50**, 5535 (1994).

“Measurement of the Antiproton-Proton Total Cross Section at $\sqrt{s} = 546$ and 1800 GeV,” (with the CDF Collaboration), Phys. Rev. **D50** 5550 (1994).

“Measurement of the Ratio $\sigma B(W \rightarrow e\nu)/\sigma B(Z \rightarrow e^+e^-)$ in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **73**, 220 (1994).

“Measurement of the B^+ and B^0 Meson Lifetimes,” (with the CDF Collaboration), Phys. Rev. Lett. **72**, 3456 (1994).

“Evidence for Color Coherence in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D50**, 5562 (1994).

“ W Boson + Jet Angular Distribution in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **73**, 2296 (1994).

“Evidence for Top Quark Production in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D50**, 2966 (1994).

“Evidence for Top Quark Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **73**, 225 (1994).

“Search for the Top Quark Decaying to a Charged Higgs Boson in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **73**, 2667 (1994).

“A Precision Measurement of the Prompt Photon Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **73**, 2662 (1994).

“Direct Measurement of the W Boson Width,” (with the CDF Collaboration), Phys. Rev. Lett. **74**, 341 (1995).

“The Charge Asymmetry in W -Boson Decays Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **74**, 850 (1995).

“Observation of Rapidity Gaps in $\bar{p}p$ Collisions at 1.8 TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **74**, 855 (1995).

“Limits on Z -Photon Couplings from $p - \bar{p}$ Interactions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **74**, 1941 (1995).

“Observation of Top Quark Production in $p\bar{p}$ Collisions with CDF Detector at Fermilab,” (with the CDF Collaboration), Phys. Rev. Lett. **74**, 2626 (1995).

“Search for Charged Bosons Heavier Than the W Boson in $p\bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV,” (with the CDF Collaboration), Phys. Rev. Lett. **74**, 2900 (1995).

“Search for New Particles Decaying to Dijets in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **74**, 3538 (1994).

“Measurement of the B Meson Differential Cross-Section, $d\sigma/d_p T$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D50**, 4252 (1995).

“A Search for New Gauge Boson Decaying into Dielectrons in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D51**, 949 (1995).

“Identification of Top Quarks Using Kinematic Variables,” (with the CDF Collaboration), Phys. Rev. **D52**, 2605 (1995).

“A Measurement of the Ratio $\sigma.B(p\bar{p} \rightarrow W \rightarrow e\nu)/\sigma.B(p\bar{p} \rightarrow Z^0 \rightarrow ee)$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV,” (with the CDF Collaboration), Phys. Rev. **D52**, 2624 (1995).

“Measurement of the W Boson Mass,” (with the CDF Collaboration), Phys. Rev. **D52**, 4784 (1995).

“Kinematical Evidence for Top Pair Production in W + Multijet Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D55**, 4623 (1995).

“Measurement of the B_s Meson Lifetime,” (with the CDF Collaboration), Phys. Rev. Lett. **74**, 4988 (1995).

“Measurement of the W Boson Mass,” (with the CDF Collaboration), Phys. Rev. Lett. **75**, 11 (1995).

“Properties of High-Mass Multijet Events at the Fermilab Proton-Antiproton Collider,” (with the CDF Collaboration), Phys. Rev. Lett. **75**, 608 (1995).

“Search for Squarks and Gluinos via Radiative Decays of Neutralinos in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **75**, 613 (1995).

“A Search for Second Generation Leptoquarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **75**, 1012 (1995).

“Limits on WWZ and $WW\gamma$ Couplings from WW and WZ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **75**, 1017 (1995).

“Measurement of the B Meson Differential Cross Section $d\sigma/dp_T$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **75**, 1451 (1995).

“Measurement of the Polarization in the $B_d \rightarrow J/\psi K^{*0}$ and $B_s \rightarrow J/\psi\phi$,” (with the CDF Collaboration), Phys. Rev. Lett. **75**, 3068 (1995).

“Study of $t\bar{t}$ Production in $p\bar{p}$ Collisions Using Total Transverse Energy,” (with the CDF Collaboration), Phys. Rev. Lett. **75**, 3997 (1995).

“Upsilon Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **75**, 4358 (1995).

“Measurement of Correlated $\mu - \bar{b}$ Jet Cross Sections in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D53**, 1051 (1996).

“Search for Gluino and Squark Cascade Decays at the Fermilab Tevatron Collider,” (with the CDF Collaboration), Phys. Rev. Lett. **76**, 2006 (1996).

“Reconstruction of $B^0 \rightarrow J/\psi K_s^0$ and Measurement of Ratios of Branching Ratios Involving $B \rightarrow J/\psi K^{(*)}$,” (with the CDF Collaboration), Phys. Rev. Lett. **76**, 2015 (1996).

“Search for the Rare Decay $W^+ \rightarrow \pi^+ - +\gamma$,” (with the CDF Collaboration), Phys. Rev. Lett. **76**, 2852 (1996).

“Measurement of $\sigma.B(W \rightarrow e\nu)$ and $\sigma.B(Z^0 \rightarrow e^+e^-)$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **76**, 3070 (1996).

“Search for Chargino-Neutralino Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **76**, 4307 (1996).

“Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), submitted to Phys. Rev. Lett. **77**, 438 (1996).

“Search for Charged Higgs Boson Decays of the Top Quark Using Hadronic Tau Decays,” (with the CDF Collaboration), Phys. Rev. **D54**, 735 (1996).

“Measurement of the B^- and \bar{B}^0 Meson Lifetimes Using Semileptonic Decays,” (with the CDF Collaboration), Phys. Rev. Lett., **76**, 4462 (1996).

“Search for Flavor-Changing Neutral Current B Meson Decays in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **76**, 4675 (1996).

“Forward-Backward Charge Asymmetry of Electron Pairs Above the Z^0 Pole,” (with the CDF Collaboration), Phys. Rev. Lett. **77**, 2616 (1996).

“Measurement of the Λ_b^0 Lifetime Using $\Lambda_b^0 \rightarrow \Lambda_c^+ l^- \bar{\nu}$,” (with the CDF Collaboration), Phys. Rev. Lett. **77**, 1439 (1996).

“Measurement of the Lifetime of the B_s^0 Meson Using the Exclusive Decay Mode $B_s^0 \rightarrow J/\psi\phi$,” (with the CDF Collaboration), Phys. Rev. Lett. **77**, 1945 (1996).

“Further Properties of High-Mass Multijet Events at the Fermilab Proton-Antiproton Collider,” (with the CDF Collaboration), Phys. Rev. **D54**, 4221 (1996).

“Ratios of Bottom Meson Branching Fractions Involving J/ψ Mesons and Determination of b Quark Fragmentation Fractions,” (with the CDF Collaboration), Phys. Rev. **D54**, 6596 (1996).

“Properties of Jets in Z Boson Events from 1.8 TeV $p\bar{p}$ Collisions,” (with the CDF Collaboration), Phys. Rev. Lett. **77**, 448 (1996).

“Measurements of the Mass of the B_s^0 Meson,” (with the CDF Collaboration), Phys. Rev. **D53**, 3496 (1996).

“Measurement of $b\bar{b}$ Production Correlations, $B^0\bar{B}^0$ Mixing, and a Limit on ϵ_B in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. **D55**, 2546 (1997).

“Observation of $\Lambda_b^0 \rightarrow J/\psi\Lambda$ at the Fermilab Proton-Antiproton Collider,” (with the CDF Collaboration), Phys. Rev. **D55**, 1142 (1997).

“Measurement of the Branching Fraction $B(B_u^+ \rightarrow J/\psi\pi^+)$ and Search for $B_c^+ \rightarrow J/\psi\pi^+$,” (with the CDF Collaboration), Phys. Rev. Lett. **77**, 5176 (1996).

“Observation of W^+W^- Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF Collaboration), Phys. Rev. Lett. **78**, 4536 (1997).

“Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab,” (with the CDF Collaboration), Phys. Rev. Lett. **77**, 5336 (1996).

“Measurement of the $\gamma + D^{*\pm}$ Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” (with the CDF

Collaboration), Phys. Rev. Lett. **77**, 5005 (1996).

“Search for Third Generation Leptoquarks in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **78**, 2906 (1997).

“Observation of Diffractive W-Boson Production at the Tevatron,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **78**, 2698 (1997).

“Evidence for W^+W^- Production in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **78**, 4536 (1997).

“Search for Charged Higgs Decays of the Top Quark Using Hadronic Decays of the Tau Lepton,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 357 (1997).

“ J/ψ and $\psi(2S)$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 572 (1997)

“Search for New Particles Decaying to Dijets at CDF,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D55**, Rapid Communications, R5263 (1997).

“Production of J/ψ Mesons from χ_c Meson Decays in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 578 (1997).

“Measurement of Double Parton Scattering in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 584 (1997).

“Search for Gluinos and Squarks at the Fermilab Tevatron Collider,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D56**, Rapid Communications, R1357 (1997).

“First Observation of the All Hadronic Decay of $t\bar{t}$ Pairs,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 1992 (1997).

“Search for New Gauge Bosons Decaying into Dileptons in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 2191 (1997).

“Limits on Quark-Lepton Compositeness Scales from Dileptons Produced in 1.8 TeV $p\bar{p}$ Collisions,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 2198 (1997).

“Measurement of Diffractive Dijet Production at the Tevatron,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 2636 (1997).

“Properties of Six-jet Events with Large Six-jet Mass at the Fermilab Proton-Antiproton Collider,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D56**, 2532 (1997).

“Double Parton Scattering in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D56**, 3811 (1997).

“The $\mu\tau$ and $e\tau$ Decays of Top Quark Pairs Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 3585 (1997).

“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,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 3819 (1997).

“Search for First Generation Leptoquark Pair Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F.

Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 4327 (1997).

“Properties of Jets in W Boson Events from 1.8 TeV $\bar{p}p$ Collisions,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **79**, 4760 (1997).

“Properties of Photon Plus Two-Jet Events in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D57**, 67 (1998).

“The Jet Pseudorapidity Distribution in Direct Photon Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D57**, 1359 (1998).

“Dijet Production by Color-Singlet Exchange at the Fermilab Tevatron,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **80**, 1156 (1998).

“Search for Flavor-Changing Neutral Current Decays of the Top Quark in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **80**, 2525 (1998).

“Measurement of the Differential Cross Section for Events with Large Total Transverse Energy in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **80**, 3461 (1998).

“Measurement of the $B^0\bar{B}^0$ Oscillation Frequency Using π -B Meson Charge-Flavor Correlations in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV/ c^2 ,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **80**, 2057 (1998).

“Measurement of the Top Quark Mass,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **80**, 2767 (1998).

“Measurement of the Top Quark Mass and $t\bar{t}$ Production Cross Section from Dilepton Events at the Collider Detector at Fermilab,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **80**, 2779 (1998).

“Measurement of the $t\bar{t}$ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **80**, 2773 (1998).

“Measurement of B Hadron Lifetimes Using J/ψ Final States at CDF,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D57**, 5382 (1998).

“Observation of Hadronic W Decays in $t\bar{t}$ Events with the Collider Detector at Fermilab,” F. Abe et al., The CDF Collaboration, submitted to Phys. Rev. Lett. November 4, 1997. FERMILAB-PUB-97/285-E.

“Search for the Decays $B_d^0 \rightarrow \mu^+\mu^-$ and $B_s^0 \rightarrow \mu^+\mu^-$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D57**, 3811 (1998).

“Searches for New Physics in Diphoton Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **81**, 1791 (1998).

“Search for Chargino-Neutralino Associated Production at the Fermilab Tevatron Collider,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **80**, 5275 (1998).

“Search for the Rare Decay $W^\pm \rightarrow \pi^\pm + \gamma$ in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D58**, Rapid Communications, 031101 (1998).

“Observation of $B^+ \rightarrow \psi(2S)K^+$ and $B^0 \rightarrow \psi(2S) K^{*}(892)^0$ Decays and Measurements of B-Meson Branching Fractions into J/ψ and $\psi(2S)$ Final States,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D58**, 072001 (1998).

“Search for the Rare Decay $W^\pm \rightarrow D_s^\pm \gamma$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D58**, 091101 (1998).

“Observation of B_c Mesons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D58**, R112004 (1998).

“Measurement of the $\sigma(W + \geq 1 \text{ jet})/\sigma(W)$ Cross Section Ratio from $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **81**, 1367 (1998).

“Search for Longlived Parents of Z^0 Bosons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D58**, Rapid Communications, 051101 (1998).

“Observation of the B_c Meson in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **81**, 2432 (1998).

“Measurement of $b\bar{b}$ Rapidity Correlations in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, submitted to Phys. Rev. **D**, 1998.

“Events with a Rapidity Gap Between Jets in $p\bar{p}$ Collisions at $\sqrt{s} = 630$ GeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **81**, 5278 (1998).

“Measurement of the CP-Violation Parameter $\sin(2\beta)$ in $B_d^0/\bar{B}_d^0 \rightarrow J/\psi K_S^0$ Decays,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **81**, 5513 (1998).

“Search for Second Generation Leptoquarks in the Dimuon Plus Dijet Channel of $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, submitted to Phys. Rev. Lett. **81**, 4806 (1998).

“Search for Third-Generation Leptoquarks from Technicolor Models in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, submitted to Phys. Rev. Lett. November 2, 1998. FERMILAB-PUB-98/352-E.

“Search for R-parity Violating Supersymmetry Using Like-sign Dielectrons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, submitted to Phys. Rev. Lett. November 17, 1998. FERMILAB-PUB-98/374-E.

“Measurement of the B_s^0 Meson Lifetime Using Semileptonic Decays,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D59**, 032004 (1999).

“Measurement of the Lepton Charge Asymmetry in W-Boson Decays Produced in $p\bar{p}$ Collisions,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **81**, 5754 (1998).

“Search for a Technicolor ω_T Particle in Events with a Photon and a b-quark Jet at CDF,” F. Abe et al., The CDF Collaboration, submitted to Phys. Rev. Lett. October 9, 1998. FERMILAB-PUB-98/321-E.

“Measurement of the Top Quark Mass with the Collider Detector at Fermilab,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **82**, 271 (1999).

“Measurement of the B^- and \bar{B}^0 Meson Lifetimes Using Semileptonic Decays,” F. Abe et al., The

CDF Collaboration, Phys. Rev. **D58**, 092002 (1998).

“Kinematic of $t\bar{t}$ Events at CDF,” F. Abe et al., The CDF Collaboration, submitted to Phys. Rev. **D** October 12, 1998. FERMILAB-PUB-98/327-E.

“Search for the Decays B_s^0 , $B_d^0 \rightarrow e^\pm \mu^\mp$ and Pati–Salam Leptoquarks,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **81**, 5742 (1998).

“Search for New Particles Decaying to $b\bar{b}$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **82**, 2038 (1998).

“Measurement of Z^0 and Drell–Yan Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D59**, 052002 (1998).

“Search for Higgs Bosons Produced in Association with a Vector Boson in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. Lett. **81**, 5748 (1998).

“Measurement of the $B_d^0 - \bar{B}_d^0$ Flavor Oscillation Frequency and Study of Same Side Flavor Tagging of B Mesons in $p\bar{p}$ Collisions,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D59**, 032001 (1999).

“Measurement of Time-Dependent $B^0 - \bar{B}^0$ Flavor Oscillation at CDF,” A. Ribon, The CDF Collaboration, Published Proceedings International Europhysics Conference on High-Energy Physics (EPS97), Jerusalem, Israel, August 19-29, 1998. FERMILAB-CONF-98/100-E.

“B Lifetimes, Mixing and CP Violation at CDF,” M. Paulini, The CDF Collaboration, FERMILAB-PUB-99/014-E, submitted to International Journal of Modern Physics **A** March 3, 1999.

“Measurement of the Associated $\gamma + \mu^\pm$ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D60**, 092003 (1999).

“Measurement of $B^0 - \bar{B}^0$ Flavor Oscillations Using Jet-Charge and Lepton Flavor Tagging in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D60**, 072003 (1999).

“Measurement of the $B_d^0 \bar{B}_d^0$ Oscillation Frequency Using Dimuon Data in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D60**, 051101 (1999).

“Search for the Flavor Changing Neutral Current Decays $B^+ \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^- K^{*0}$,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **83**, 3378-3383 (1999).

“Search for Technicolor Particles in Lepton Plus Two Jets and Multijet Channels in $p\bar{p}$ Collisions at $B^+ \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^- K^{*0}$,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **83**, 3378-3383 (1999).

“Measurement of the $B^0 \bar{B}_d^0$ Oscillation Frequency Using $\ell^- D^{*+}$ Pairs and Lepton Flavor Tags,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. **D60**, 112004 (1999).

“Measurement of B Quark Fragmentation Fractions in the Production of Strange and Light B Mesons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. **D60**, 092005 (1999).

“Observation of Orbitally Excited B Mesons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, submitted to Phys. Rev. **D**, Nov. 1999. FERMILAB-PUB-99-330-E.

“Observation of Diffractive B-Quark Production at the Fermilab Tevatron,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **84**, 232 (2000).

“The Transverse Momentum and Total Cross-Section of e^+e^- Pairs in the Z-Boson Region from $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **84**, 845 (2000).

“A Measurement of $\sin 2\beta$ from $B \rightarrow J/\psi K^0(s)$ with the CDF Detector,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. **D61**, 072005 (2000).

“Measurement of B Quark Fragmentation Fractions in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **84**, 1663 (2000).

“Search for a Fourth Generation Quark More Massive than the Z^0 Boson in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **84**, 835 (2000).

“Measurement of the Helicity of W Bosons in Top Quark Decays,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **84**, 216 (2000).

“Search for a W' Boson via the Decay Model $W' \rightarrow \mu\mu$ -Neutrino in 1.8-TeV $p\bar{p}$ Collisions,” F. Abe, et al., The CDF Collaboration, Phys. Rev. Lett. **84**, 5716 (2000).

“Production of $\Upsilon(1S)$ Mesons from χ_b Decays in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **84**, 2094 (2000).

“Search for Scalar Top and Scalar Bottom Quarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett., **84**, 5704 (2000).

“Search for the Charged Higgs Boson in the Decays of Top Quark Pairs in the $e\tau$ and $\mu\tau$ Channels at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., Phys. Rev. **D62**, 012004 (2000).

“Search for Scalar Top Quark Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **84**, 5273 (2000).

“A Measurement of the Differential Dijet Mass Cross-Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. **D61**, 091101(R) (2000).

“Search for New Particles Decaying to $t\bar{t}$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **85**, 2062 (2000).

“Diffractive Dijets with a Leading Antiproton in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, et al., The CDF Collaboration, Phys. Rev. Lett. **84**, 5043 (2000).

“Measurement of $b\bar{b}$ Rapidity Correlations in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” F. Abe et al., The CDF Collaboration, Phys. Rev. **D61**, 032001 (2000).

“Search for Color Singlet Technicolor Particles in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, The CDF Collaboration, Phys. Rev. Lett. **84**, 1110 (2000).

“Measurement of the Top Quark $p(t)$ Distribution,” T. Affolder et al., The CDF Collaboration, Phys. Rev. Lett. **87**, 102001 (2001).

“Measurement of the W Boson Mass with the Collider Detector at Fermilab,” T. Affolder et al., The CDF Collaboration, Phys. Rev. **D64**, 052001 (2000).

“Tests of Enhanced Leading Order QCD in W Boson plus Jets Events from 1.8 TeV $p\bar{p}$ Collisions,” Phys. Rev. **D63**, 072003 (2001).

“Limits on Gravitino Production and New Processes with Large Missing Transverse Energy in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder et al., The CDF Collaboration, Phys. Rev. Lett. **85**, 1378 (2000).

“Search for Second and Third Generation Leptoquarks Including Production via Technicolor Interactions in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder et al., The CDF Collaboration, Phys. Rev. Lett. **85**, 2056 (2000).

“Production of ψ_{c1} and ψ_{c1} in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, The CDF Collaboration, Phys. Rev. Lett., **86**, 3963 (2001).

“Search for Neutral Supersymmetric Higgs Bosons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder et al., The CDF Collaboration, Phys. Rev. Lett., **86**, 4472 (2001).

“Search for the Supersymmetric Partner of the Top-Quark in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder et al., The CDF Collaboration, Phys. Rev., **D63**, 091101 (2001).

“Direct Measurement of the W Boson Width in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder, The CDF Collaboration, Phys. Rev. Lett. **85**, 3347 (2000).

“Measurement of J/ψ and $\psi(2S)$ Polarization in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder et al., The CDF Collaboration, Phys. Rev. Lett. **85**, 2886 (2000).

“Dijet Production by Double Pomeron Exchange at the Fermilab Tevatron,” T. Affolder et al., The CDF Collaboration, Phys. Rev. Lett. **85**, 4215 (2000).

“Measurement of the Decay Amplitude of $B^0 \rightarrow J/\psi K^{*0}$ and $B^0(s) \rightarrow j/\psi\phi$ Decays,” T. Affolder et al., The CDF Collaboration, Phys. Rev. Lett. **85**, 4668 (2000).

“Measurement of the Two-Jet Differential Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV,” T. Affolder et al., The CDF Collaboration, Phys. Rev. **D64**, 012001 (2001).

“First Measurement of the Ratio $B(t \rightarrow Wb)/B(t \rightarrow W\tau)$ and Associated Limit on the CKM Element $|V(tb)|$,” T. Affolder, The CDF Collaboration, Phys. Rev. Lett., **86**, 3233 (2001).

“Measurement of the $t\bar{t}$ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder et al., The CDF Collaboration, Phys. Rev. **D64**, 032002 (2001).

“Measurement of the Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder et al., The CDF Collaboration, Phys. Rev. **D64**, 032001 (2001).

“Measurement of $d\sigma/dy$ for High Mass Drell-Yan e^+e^- Pairs from $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” T. Affolder et al., The CDF Collaboration, Phys. Rev. **D63**, 011101(R) (2001).

“Measurement of the Top Quark Mass with the Collider Detector at Fermilab,” T. Affolder et al., The CDF Collaboration, Phys. Rev. **D63**, 032003 (2001).

“Momentum Distribution of Charged Particles in Jets in Dijet Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV and Comparisons to Perturbative QCD Predictions,” D. Acosta et al., The CDF Collaboration, Phys. Rev. **D68**, 012003 (2003).

“Measurement of B Meson Lifetimes using Fully Reconstructed B Decays Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta et al., The CDF Collaboration, Phys. Rev. **D65**, 092009 (2002).

“A Study of $B^0 \rightarrow J/\psi K^{*0} \pi + \pi^-$ Decays with the Collider Detector at Fermilab,” T. Affolder et al., The CDF Collaboration, Phys. Rev. Lett. **071801** (2002)

“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,” D. Acosta et al., The CDF Collaboration, Phys. Rev. **D66**, 032002 (2002).

“Branching Ratio Measurements of Exclusive B^+ Decays to Charmonium with the Collider Detector at Fermilab,” D. Acosta et al., The CDF Collaboration, Phys. Rev. **D66**, 052002 (2002).

“Search for Associated Production of Upsilon and Vector Boson in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta et al., The CDF Collaboration, Phys. Rev. Lett. **90**, 221803 (2003).

“Cross Section for Forward J/ψ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta et al., The CDF Collaboration, Phys. Rev. **D66**, 092001 (2002).

“Search for Radiative b-Hadron Decays in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta et al., The CDF Collaboration, Phys. Rev. **D66**, 112002 (2002).

“Limits on Extra Dimensions and New Particle Production in the Exclusive Photon and Missing Energy Signature in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta et al., The CDF Collaboration, Phys. Rev. Lett. **89**, 281801 (2002).

“Central Pseudorapidity Gaps in Events with a Leading Antiproton at the Fermilab Tevatron $p\bar{p}$ Collider,” D. Acosta et al., The CDF Collaboration, Phys. Rev. Lett. **91**, 011802 (2003) [hep-ex/0303011].

“Search for Supersymmetric Partner of the Top Quark in Dilepton Events from $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta et al., The CDF Collaboration, Phys. Rev. Lett. **90**, 251801 (2003) [hep-ex/0302009].

“Search for a W' Boson Decaying to a Top and Bottom Quark Pair in 1.8 TeV $p\bar{p}$ Collisions,” D. Acosta et al., The CDF Collaboration, Phys. Rev. Lett. **90**, 081802 (2003) [hep-ex/0209030].

“Measurement of the Mass Difference $m(D_s^+) - m(D^+)$ at CDF II,” D. Acosta et al., The CDF II Collaboration, Phys. Rev. **D68**, 072004 (2003) [hep-ex/0310043].

“Search for Long-lived Charged Massive Particles in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta et al., The CDF Collaboration, Phys. Rev. Lett. **90**, 131801 (2003) [hep-ex/0211064].

“Search for Pair Production of Scalar Top Quarks in R Parity Violating Decay Modes in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ -TeV,” CDF Collaboration, Phys. Rev. Lett. **92**, 051803 (2004) [hep-ex/0305010].

“Measurement of Prompt Charm Meson Production Cross-Sections in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” CDF Collaboration, Phys. Rev. Lett. **91**, 241804 (2003) [hep-ex/0307080].

“Search for the Flavor Changing Neutral Current Decay $D^0 \rightarrow \mu^+ \mu^-$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV,” CDF Collaboration, Phys. Rev. **D68**, 091101 (2003) [hep-ex/0308059].

“Measurement of the Average Time Integrated Mixing Probability of B Flavored Hadrons Produced at the Tevatron,” CDF Collaboration, Phys. Rev. **D69**, 012002 (2004) [hep-ex/0309030].

“First Run II B Physics Results from the Tevatron, Craig Blocker (for the CDF Collaboration),” FERMILAB-CONF-03-309-E (Oct 2003) 8p, to be published in the proceedings of FPCP2003.

“Inclusive Double Pomeron Exchange at the Fermilab Tevatron $p\bar{p}$ Collider,” CDF Collaboration, Phys. Rev. Letters **93**, 141601 (2004) [hep-ex/0311023].

“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 $\sqrt{s} = 1.8\text{-TeV}$,” CDF Collaboration, Phys. Rev. **D70**, 032004 (2004)[hep-ex/0311050].

“Heavy Flavor Properties of Jets Produced in $p\bar{p}$ Interactions at $\sqrt{s} = 1.8\text{-TeV}$,” D. Acosta, et al., CDF Collaboration, Phys. Rev. **D69**, 072004 (2004) [hep-ex/0311051].

“Observation of the Narrow State $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96\text{-TeV}$,” CDF II Collaboration, Phys. Rev. Letters **93**, 072001 (2004) [hep-ex/0312021].

“Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B_d^0 \rightarrow \mu^+ \mu^-$ Decays in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96\text{ TeV}$,” CDF Collaboration, Phys. Rev. Letters **93**, 032001 (2004) [hep-ex/0403032].

“Combination of the CDF and D0 Results on W Boson Mass and Width,” CDF and D0 Collaborations, Phys. Rev. **D70**, 092008 (2004) [hep-ex/0311039].

“Optimized Search for Single Top Quark Production at the Fermilab Tevatron,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. **D69**, 052003, (2004).

“The Underlying Event in Hard Interactions at the Tevatron $p\bar{p}$ Collider,” D. Acosta *et al.*, CDF collaboration, Phy. Rev. **D70**, 072002 (2004) [hep-ex/0404004].

“Direct Photon Cross Section with Conversions at CDF,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. **D70**, 074008 (2004) [hep-ex/0404022].

“Measurement of the $t\bar{t}$ Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96\text{ TeV}$ Using Dilepton Events,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. Lett. **93**, 142001 (2004) [hep-ex/0404036].

“Inclusive Search for Anomalous Production of High P_T Like-sign Lepton Pairs in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8\text{-TeV}$,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. Lett. **93**, 061802 (2004) [hep-ex/0405063].

“Search for Doubly Charged Higgs Bosons Decaying to Dileptons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96\text{ TeV}$,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. Lett. **93**, 221802 (2004) [hep-ex/0406073].

“First Measurements of the Inclusive W and Z Cross Sections From Run II of the Tevatron Collider,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. Lett. **94**, 091803 (2005) [hep-ex/0406078].

“Measurement of the $t\bar{t}$ Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96\text{ TeV}$ Using Kinematic Fitting of b -tagged Lepton + Jet Events,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. Lett. **93**, 061802 (2004) [hep-ex/0405063].

“Measurement of the $W\gamma$ and $Z\gamma$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96\text{ TeV}$,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. Lett. **94**, 041803 (2005) [hep-ex/0410008].

“Search for Excited and Exotic Electrons in the $e\gamma$ Decay Channel in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96\text{ TeV}$,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. Lett. **94**, 101802 (2005) [hep-ex/0410013].

“Measurement of Partial Widths and Search for Direct CP Violation in D0 Meson Decays to K^+K^- and $\pi^+\pi^-$,” D. Acosta *et al.*, CDF II Collaboration Phys. Rev. Lett. **94**, 122001 (2005) [hep-ex/0504006].

“Comparison of Three Jet Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV to Predictions from a Next-to-Leading Order QCD Calculation,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. D **71**, 032002 (2005) [hep-ex/0410018].

“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,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. D **71**, 052003 (2005) [hep-ex/0410041].

+++++

“Search for Anomalous Production of Diphoton Events With Missing Transverse Energy at CDF and Limits on Gauge-mediated Supersymmetry-breaking Models,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. D **71**, 031104 (2005) [hep-ex/0410053].

“Search for Electroweak Single Top Quark Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. D **71**, 012005 (2005) [hep-ex/0410058].

“Search for Scalar Leptoquark Pairs Decaying to $\nu\bar{\nu}q\bar{q}$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. D **71**, 112001 (2005) [Erratum-ibid. D **71**, 119901 (2005)] [hep-ex/0410076].

“Measurement of Charged Particle Multiplicities in Gluon and Quark Jets in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. Lett. **94**, 171802 (2005).

“Measurement of the Forward-backward Charge Asymmetry of Electron-positron Pairs in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. D **71**, 052002 (2005) [hep-ex/0411059].

“Measurement of the W Boson Polarization in Top Decay at CDF at $\sqrt{s} = 1.8$ TeV,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. **D71**, 031101 (2005) [hep-ex/0411070].

“Measurements of Bottom-Antibottom Azimuthal Production Correlations in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta *et al.*, CDF Collaboration, Phys. Rev. D **71**, 092001 (2005) [hep-ex/0412006].

“Search for Anomalous Kinematics in $t\bar{t}$ Dilepton Events at CDF II,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. Lett. **95**, 022001 (2005) [hep-ex/0412042].

“Measurement of the Cross Section for Prompt Diphoton Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. Lett. **95**, 022003 (2005) [hep-ex/0412050].

“Measurement of the Lifetime Difference Between B_S Mass Eigenstates,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. Lett. **94**, 101803 (2005) [hep-ex/0412057].

“Measurement of the J/ψ meson and B-hadron Production Cross Sections in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. D **71**, 032001 (2005) [hep-ex/0412071].

“Search for ZZ and ZW Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. D **71**, 091105 (2005) [hep-ex/0501021].

“Measurement of the Forward-Backward Charge Asymmetry from $W \rightarrow e\nu$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. D **71**, 051104 (2005) [hep-ex/0501023].

“Measurements of the W^+W^- Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV Using Dilepton Events,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. Lett. **94**, 211801 (2005) [hep-ex/0501050].

“First Evidence for $B_s^0 \rightarrow \phi\phi$ Decay and Measurements of Branching Ratio and A_{CP} for $B^+ \rightarrow \phi K^+$,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. Lett. **95**, 031801 (2005) [hep-ex/0502044].

“Search for Long Lived Doubly Charged Higgs Bosons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.*, CDF II Collaboration, Phys. Rev. Lett. **95**, 071801 (2005) [hep-ex/0503004].

“Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **71**, 051103 (2005) [hep-ex/0502003].

“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,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. Lett. **95**, 051801 (2005) [hep-ex/0503039].

“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,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **73**, 052002 (2006) [hep-ex/0504020].

“ K_S^0 and Λ^0 production studies in $p\bar{p}$ collisions at $\sqrt{s} = 1800$ -GeV and 630-GeV,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **72**, 052001 (2005) [hep-ex/0504048].

“Measurement of the cross section for $t\bar{t}$ production in $p\bar{p}$ collisions using the kinematics of lepton + jets events,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **72**, 052003 (2005) [hep-ex/0504053].

“Study of jet shapes in inclusive jet production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **71**, 112002 (2005) [hep-ex/0505013].

“Evidence for the exclusive decay $B_c^\pm \rightarrow J/\psi\pi^\pm$ and measurement of the mass of the B_c meson,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 082002 (2006) [hep-ex/0505076].

“Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at the Collider Detector at Fermilab,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. Lett. **95**, 102002 (2005) [hep-ex/0505091].

“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,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **72**, 032002 (2005) [hep-ex/0506001].

“Search for new physics using high mass tau pairs from 1.96 TeV $p\bar{p}$ collisions,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. Lett. **95**, 131801 (2005) [hep-ex/0506034].

“A search for supersymmetric Higgs bosons in the di-tau decay mode in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **72**, 072004 (2005) [hep-ex/0506042].

“Search for first-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **72**, 051107 (2005) [hep-ex/0506074].

“Search for W and Z bosons in the reaction $\bar{p}p \rightarrow 2\text{jets} + \gamma$ at $\sqrt{s} = 1.8$ TeV,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **73**, 012001 (2006) [hep-ex/0507051].

“Search for $\Lambda_b \rightarrow p\pi$ and $\Lambda_b \rightarrow pK$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. D **72**, 051104 (2005) [hep-ex/0507067].

“Search for new high mass particles decaying to lepton pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **95**, 252001 (2005) [hep-ex/0507104].

“Measurement of the ratios of branching fractions $B(B_s^0 \rightarrow D_s^- \pi^+)/B(B^0 \rightarrow D^- \pi^+)$ and $B(B^+ \rightarrow \bar{D}^0 \pi^+)/B(B^0 \rightarrow D^- \pi^+)$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 191801 (2006) [hep-ex/0508014].

“Measurement of b hadron masses in exclusive J/ψ decays with the CDF detector,” D. Acosta *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 202001 (2006) [hep-ex/0508022].

“Measurements of inclusive W and Z cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” A. Abulencia *et al.* [CDF Collaboration], submitted to Phys. Rev. D, July 2006 [hep-ex/0508029].

“Search for $B_s \rightarrow \mu^+ \mu^-$ and $B_d \rightarrow \mu^+ \mu^-$ decays in $p\bar{p}$ collisions with CDF II,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **95**, 221805 (2005) [Erratum-ibid. **95**, 249905 (2005)] [hep-ex/0508036].

“Search for neutral MSSM Higgs bosons decaying to tau pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 011802 (2006) [hep-ex/0508051].

“Direct search for Dirac magnetic monopoles in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 201801 (2006) [hep-ex/0509015].

“Top quark mass measurement using the template method in the lepton + jets channel at CDF II,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **73**, 032003 (2006) [hep-ex/0510048].

“Precision top quark mass measurement in the lepton + jets topology in p anti- p collisions at $\sqrt{s} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 022004 (2006) [hep-ex/0510049].

“A search for $t \rightarrow t\mu\nu\chi$ in $t\bar{t}$ production,” A. Abulencia *et al.* [CDF Collaboration], Phys. Lett. B **639**, 172 (2006) [hep-ex/0510063].

“Search for charged Higgs bosons from top quark decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 042003 (2006) [hep-ex/0510065].

“Measurement of the helicity of W bosons in top-quark decays,” A. Abulencia *et al.* [CDF-Run II Collaboration], Phys. Rev. D **73**, 111103 (2006) [hep-ex/0511023].

“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,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **73**, 092002 (2006) [hep-ex/0512009].

“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.* [CDF Run II Collaboration], Phys. Rev. D **74**, 071103

(2006) [hep-ex/0512020].

“Search for second-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **73**, 051102 (2006) [hep-ex/0512055].

“Search for H to b anti-b produced in association with W bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 081803 (2006) [hep-ex/0512051].

“Measurement of the inclusive jet cross section using the k(t) algorithm in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF II Collaboration], Phys. Rev. Lett. **96**, 122001 (2006) [hep-ex/0512062].

“Search for anomalous semileptonic decay of heavy flavor hadrons produced in association with a W boson at CDF II,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **73**, 051101 (2006) [hep-ex/0512065].

“Measurement of mass and width of the excited charmed meson states D10 and D2*0,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **73**, 051104 (2006) [hep-ex/0512069].

“Top quark mass measurement from dilepton events at CDF II,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 152002 (2006) [hep-ex/0512070].

“A search for scalar bottom quarks from gluino decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 171802 (2006) [hep-ex/0512072].

“Measurement of the dipion mass spectrum in $X(3872) \rightarrow J/\psi\pi^+\pi^-$ decays,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 102002 (2006) [hep-ex/0512074].

“Measurement of $\sigma(\Lambda_b^0)/\sigma(\bar{B}^0) \times BR(\Lambda_b^0 \rightarrow \Lambda_c^+\pi^-)/BR(\bar{B}^0 \rightarrow D^+\pi^-)$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF Collaboration], submitted to Phys. Rev. Lett., Dec. 2005 [hep-ex/0601003].

“Observation of $B_s^0 \rightarrow \psi(2S)\phi$ and measurement of ratio of branching fractions $B(B_s^0 \rightarrow \psi(2S)\phi)/B(B_s^0 \rightarrow J/\psi\phi)$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 231801 (2006) [hep-ex/0602005].

“Measurement of the top quark mass using template methods on dilepton events in proton antiproton collisions at $\sqrt{s} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **73**, 112006 (2006) [hep-ex/0602008].

“Search for $Z' \rightarrow e^+e^-$ using dielectron mass and angular distribution,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 211801 (2006) [hep-ex/0602045].

“Search for high-mass resonances decaying to e mu in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 211802 (2006) [hep-ex/0603006].

“Measurement of the B/c+ meson lifetime using $B_{c+} \rightarrow J/\psi e^+ \nu_e$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **97**, 012002 (2006) [hep-ex/0603027].

“Measurement of the t anti-t production cross section in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV using missing E(t) + jets events with secondary vertex b-tagging,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **96**, 202002 (2006) [hep-ex/0603043].

“Search for large extra dimensions in the production of jets and missing transverse energy in p

anti-p collisions at $\sqrt{s} = 1.96\text{-TeV}$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **97**, 171802 (2006) [hep-ex/0605101].

“Recent B physics results from the Tevatron,” C. A. Blocker [CDF and D0 Collaborations], Czech. J. Phys. **55**, B431 (2005).

“Measurement of the ratio of branching fractions $B(D_0 \rightarrow K + \pi^-)/B(D_0 \rightarrow K - \pi^+)$ using the CDF II detector,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **74**, 031109 (2006) [hep-ex/0605027].

“Search for new physics in lepton + photon + X events with 305-pb⁻¹ of p anti-p collisions at $\sqrt{s} = 1.96\text{-TeV}$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **97**, 031801 (2006) [hep-ex/0605097].

“Measurement of the b jet cross section in events with a Z boson in p anti-p collisions at $\sqrt{s} = 1.96\text{-TeV}$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **74**, 032008 (2006) [hep-ex/0605099].

“Top quark mass measurement from dilepton events at CDF II with the matrix-element method,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **74**, 032009 (2006) [hep-ex/0605118].

“Search for a neutral Higgs boson decaying to a W boson pair in p anti-p collisions at $\sqrt{s} = 1.96\text{-TeV}$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **97**, 081802 (2006) [hep-ex/0605124].

“Measurement of the t anti-t production cross section in p anti-p collisions at $\sqrt{s} = 1.96\text{-TeV}$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **97**, 082004 (2006) [hep-ex/0606017].

“Measurement of the B/s0 anti-B/s0 oscillation frequency,” A. Abulencia *et al.* [CDF - Run II Collaboration], Phys. Rev. Lett. **97**, 062003 (2006) [AIP Conf. Proc. **870**, 116 (2006)] [hep-ex/0606027].

“Search for excited and exotic muons in the mu gamma decay channel in p anti-p collisions at $\sqrt{s} = 1.96\text{-TeV}$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **97**, 191802 (2006) [hep-ex/0606043].

“Observation of $B_s^0 \rightarrow K^+ K^-$ and measurements of branching fractions of charmless two-body decays of B0 and B/s0 mesons in anti-p p collisions at $\sqrt{s} = 1.96\text{-TeV}$,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **97**, 211802 (2006) [hep-ex/0607021].

“Measurement of the t anti-t production cross section in p anti-p collisions at $\sqrt{s} = 1.96\text{-TeV}$ using lepton + jets events with jet probability b-tagging,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. D **74**, 072006 (2006) [hep-ex/0607035].

“Measurement of the t anti-t production cross section in p anti-p collisions at $\sqrt{s} = 1.96\text{-TeV}$ in the all hadronic decay mode,” A. Abulencia *et al.* [CDF - Run II Collaboration], Phys. Rev. D **74**, 072005 (2006) [hep-ex/0607095].

“Measurement of the Λ_b^0 lifetime in $\Lambda_b^0 \rightarrow J/\psi \Lambda^0$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$,” A. Abulencia *et al.* [CDF Collaboration], submitted to Phys. Rev. Lett., Sep. 2006 [hep-ex/0609021].

“Search for V + A Current in Top Quark Decay in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96\text{ TeV}$,” A. Abulencia *et al.* [CDF Collaboration], FERMILAB-PUB-06-029-E, Submitted to Phys. Rev. Lett., Aug., 2006.

“Measurement of the Ratios of Branching Fractions $B(B_s^0 \rightarrow D_s^- \pi^+ \pi^+ \pi^-)/B(B^0 \rightarrow D^- \pi^+ \pi^+ \pi^-)$ and $B(B_s^0 \rightarrow D_s^- \pi^+)/B(B^0 \rightarrow D^- \pi^+)$,” A. Abulencia *et al.* [CDF Collaboration], FERMILAB-PUB-06-380-E, Submitted to Phys. Rev. Lett., Nov., 2006.

“Search for W' Boson Decaying to Electron-Neutrino Pairs in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” A. Abulencia *et al.* [CDF Collaboration], FERMILAB-PUB-06-419-E, Submitted to Phys. Rev. D Rapid Communications, Nov., 2006.

“Observation of B/s_0 anti- B/s_0 oscillations,” A. Abulencia *et al.* [CDF Collaboration], Phys. Rev. Lett. **97**, 242003 (2006) [hep-ex/0609040].

“Search for Exotic $S = -2$ Baryons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” A. Abulencia *et al.* [CDF Collaboration], FERMILAB-PUB-06-488-E, Submitted to Phys. Rev. D, Dec., 2006.

“Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions,” A. Abulencia *et al.* [CDF Collaboration], FERMILAB-PUB-06-436-E, Submitted to Phys. Rev. Lett., Nov., 2006.

“Cross Section Measurements of High- p_t Dilepton Final-State Processes Using a Global Fitting Method,” A. Abulencia *et al.* [CDF Collaboration], FERMILAB-PUB-06-486-E, Submitted to Phys. Rev. D Rapid Communications, Dec., 2006.

“Search for anomalous production of multi-lepton events in p anti- p collisions at $s^{*(1/2)} = 1.96$ -TeV,” A. Abulencia *et al.* [CDF Collaboration], submitted to Phys. Rev. Lett., Dec. 2006.

“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.* [CDF Collaboration], FERMILAB-PUB-06-461-E, Submitted to Phys. Rev. D, Dec., 2006.

“Measurement of the Top-Quark Mass in All-Hadronic Decays in $p\bar{p}$ Collisions at CDF II,” A. Abulencia *et al.* [CDF Collaboration], FERMILAB-PUB-06-468-E, Submitted to Phys. Rev. Lett., Dec., 2006.

“Measurement of the B^+ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” A. Abulencia *et al.* [CDF Collaboration], FERMILAB-PUB-06-458-E, Submitted to Phys. Rev. D Rapid Communications, Dec., 2006.

“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.* [CDF Collaboration], FERMILAB-PUB-06-487-E, Submitted to Phys. Rev. D Rapid Communications, Dec., 2006.

“Precision Measurement of the Top Quark Mass from Dilepton Events at CDF II,” A. Abulencia *et al.* [CDF Collaboration], FERMILAB-PUB-06-490-E, submitted to Phys. Rev. Lett., Dec., 2006.

“Analysis of the Quantum Numbers J^{PC} of the $X(3872)$,” A. Abulencia *et al.*, [CDF Collaboration], FERMILAB-PUB-06-485-E, submitted to Phys. Rev. Lett., Dec., 2006.

“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.* [CDF Collaboration], FERMILAB-PUB-07-026E, submitted to Phys. Rev. D, Jan. 2007.

“First Measurement of the W Boson Mass in Run II of the Tevatron,” A. Aaltonen *et al.*, [CDF Collaboration], Phys. Rev. Lett. **99**, 151801 (2007).

“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. (2007) 2457-2544.

“First Observation of Heavy Baryons Σ_b and Σ_b^- ,” A. Aaltonen *et al.*, [CDF Collaboration], Phys. Rev. Lett. **99**, 202001 (2007).

“Search for Chargino-Neutralino Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” A. Aaltonen *et al.*, [CDF Collaboration], Phys. Rev. Lett. **99**, 191806 (2007).

“Limits on Anomalous Triple Gauge Couplings in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” A. Abulencia *et al.*, [CDF Collaboration], Phys. Rev. Lett. **D76**, 111103 (2007).

“Model-Independent Global Search for New High- p_t Physics at CDF,” T. Aaltonen *et al.*, The CDF Collaboration, FERMILAB-PUB-07-667-E, submitted to Phys. Rev. Lett. December 18, 2007.

“Search for Exclusive $\gamma\gamma$ Production in Hadron-Hadron Collisions,” A. Aaltonen *et al.*, [CDF Collaboration], Phys. Rev. Lett. **99**, 242002 (2007).

“First Measurement of the Fraction of Top Quark Pair Production Through Gluon-Gluon Fusion,” T. Aaltonen *et al.*, The CDF Collaboration, FERMILAB-PUB-07-665-E, submitted to Phys. Rev. Lett. December 19, 2007.

“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).

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

“A 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.

“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.

“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, Fermilab-Pub-08-045-E, arXiv: 0802.3887, submitted to Phys. Rev. Lett. February 26, 2008.

“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. **D77**, 011108 (2008).

“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. **D77**, 052002 (2008).

“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. **D77**, 051102 (2008).

“Observation of Exclusive Dijet Production at the Fermilab Tevatron $p\bar{p}$ Collider,” T. Aaltonen *et al.*, The CDF Collaboration, Phys. Rev. **D77** 052004 (2008).

“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).

“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 Collaboraton, Phys. Rev. Lett. **100**, 091803 (2008).

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

“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).

“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, Phys. Rev. D**77**, 072003 (2008).

“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, Phys. Rev. Lett. **100**, 161803 (2008).

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

“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, Phys. Rev. Lett. **100**, 161802 (2008).

“Search for Heavy, Long-lived Neutralinos that Decay to Photons at CDF II Using Photon Timing,” T. Aaltonen *et al.*, The CDF Collaboration, Fermilab-Pub-08-078-E, arXiv: 0802.3182.

“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, Phys. Rev. D**77**, 092001 (2008).

“Measurement of Correlated $b\bar{b}$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1960$ GeV,” T. Aaltonen *et al.*, The CDF Collaboration, Phys. Rev. D**77**, 072004 (2008).

“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, Phys. Rev. Lett. **100**, 182002 (2008).

“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).

“Search for the Flavor Changing Neutral Current Decay $t \rightarrow Zq$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” T. Aaltonen *et al.*, The CDF Collaboration, Fermilab-Pub-08-138-E, submitted to Phys. Rev. Lett. May 15, 2008.

“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, Phys. Rev. Lett. **100**, 231801 (2008).

“Search for Third Generation Vector Leptoquarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” A. Aaltonen *et al.*, [CDF Collaboration], Phys. Rev. D**77**, 092001 (2008).

“First Run II Measurement of the W Boson Mass,” T. Aaltonen *et al.*, The CDF Collaboration, Phys. Rev. D**77**, 112001 (2008).

“Measurement of b-jet Shapes in Inclusive Jet Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” T. Aaltonen *et al.*, The CDF Collaboration, Fermilab-Pub-08-162-E, submitted to Phys. Rev. D June 10, 2008.

“Search for 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, Phys. Rev. Lett. **100**, 211801 (2008).

“Strong Evidence for ZZ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” T. Aaltonen *et al.*, The CDF Collaboration, Phys. Rev. Lett. **100**, 201801 (2008).

“Model-Independent and Quasi-Model-Independent Search for New Physics at CDF,” T. Aaltonen *et al.*, The CDF Collaboration, Phys. Rev. D **78**, 012002 (2008).

“Search for the Higgs Boson in Association with $Z \rightarrow \ell^+\ell^-$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV,” T. Aaltonen *et al.*, The CDF Collaboration, Fermilab-Pub-08-250-E, July 24, 2008.

“Measurement of the Inclusive Jet Cross Section at the Fermilab Tevatron $p\bar{p}$ Collider Using a Cone-Based Jet Algorithm,” T. Aaltonen *et al.*, The CDF Collaboration, Fermilab-Pub-08-243-E, submitted to Phys. Rev. D July 14, 2008.

“Search for Large Extra Dimensions in Final States Containing One Photon or Jet and Large Missing Transverse Energy Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV, T. Aaltonen *et al.*, The CDF Collaboration, Fermilab-Pub-08-247-E, submitted to Phys. Rev. Lett. July 18, 2008.

“ATLAS Muon Drift Tube Electronics,” Y Arai *et al.*, Journal of Instrumentation **3**, 09001, (2008)

TALKS

- “Three Body K^0 Decay,” Bull. Am. Phys. **8**, 514 (October 1963).
- “Properties of the ω Meson,” Bull. Am. Phys. **8**, 515 (October 1963).
- “ $\Sigma^0 - \Lambda^0$ Relative Parity,” Bull. Am. Phys. **8**, 514 (October 1963).
- “Production of K^0 Resonant States in $\bar{p}p$ Annihilation at Rest,” Bull. Am. Phys. **8**, 515 (October 1963).
- “Validity of $\Delta S = \Delta Q$ Rule in K^0 Decay,” Bull. Am. Phys. **9**, 722 (December 1964).
- “K Meson Production in Four-Body $\bar{p}p$ Annihilation,” Bull. Am. Phys. Soc. **9**, 723 (December 1964).
- “6 and 8 Prong Reactions in π^+p Interactions at 8.5 GeV/c,” Bull. Am. Phys. Soc. (January 1967).
- “4 and 5 Body Reactions in π^+p Interactions at 8.5 GeV/c,” Bull. Am. Phys. Soc. (January 1967).
- “Dalitz Plots for the Decays $\eta^0 \pi^+ \pi^- \pi^0$ and $\eta^0 \pi^+ \pi^- \gamma$,” Bull. Am. Phys. Soc. (February 1968).
- “Study of the Reaction $\pi^+ n \rightarrow p \eta^0$,” Bull. Am. Phys. Soc. (1968).
- “Resonances in the ΛK and $\bar{K} K$ Systems in K^-p Interactions at 2.9 GeV/c” (with University of Maryland, Syracuse, Tufts), Bull. Am. Phys. Soc. **14**, 119 (1969).
- “Production of Strangeness -2 Baryon Resonances in $K^-p \rightarrow \Xi^- K + \text{Pions}$ at 2.9 GeV/c” (with University of Maryland, Syracuse and Tufts), Bull. Am. Phys. Soc. **14**, 119 (1969).
- “Search for Strangeness -2 Baryon Resonances in K^-p Interactions at 2.9 GeV/c” (with University of Maryland, Syracuse, and Tufts), Bull. Am. Phys. Soc. **14**, 574 (1969).
- “ $Kp \rightarrow \Lambda^0 \pi^+ \pi^- + n(\pi^0)$, $n = 0, 1, 2, \dots$ at 2.9 GeV/c” (with University of Maryland, Syracuse University, and Tufts), Bull. Am. Phys. Soc. **15**, 490 (1970).
- “ K^0 Channels in 2 Prong + V^0 Events in K^-p Interactions at 2.9 GeV/c” (with University of Maryland, Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **15**, 490 (1970).
- “Resonances in the $\Sigma(1660)$ Region in K^-p Interactions at 2.9 GeV/c” (with University of Maryland, Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **15**, 490 (1970).
- “Preliminary Analysis of $\Lambda^0 \bar{K} K$, $\Sigma \bar{K} K$ Final States in 2.9 GeV/c K^-p Interactions” (with University of Maryland, Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **15**, 491 (1970).
- “Resonances in the $\Xi \pi$ System Produced in 2.9 GeV/c K^-p Interactions” (with University of Maryland, Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **15**, 491 (1970).
- “Spin-Parity Analyses of Cascade Resonances” (with University of Maryland, Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **15**, 491 (1970).
- “A Regge Pole Analysis of Two Body Ξ Production Reactions” (with University of Maryland,

Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **15**, 491 (1970).

“Y K Spectra from K^-p Interactions at 2.9 GeV/c” (with University of Maryland, Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **16**, 588 (1971).

“ $\Xi\pi$ Spectra from K^-p Interactions at 2.9 GeV/c” (with University of Maryland, Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **16**, 589 (1971).

“Resonance Production in ΛK^-K^+ , $\Sigma^0 K^-K^+$, and $\Xi^0\pi^-K^+$ Final States” (with University of Maryland, Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **16**, 92 (1971).

“Properties of the $\Sigma(1660)$ Produced in K^-p Interactions at 2.9 GeV/c” (with University of Maryland, Syracuse University, and Tufts University), Bull. Am. Phys. Soc. **16**, 92 (1971).

“ Ξ Final States in K^-d Interactions 2.87 GeV/c” (with University of Maryland, Syracuse and Tufts Universities), Bull. Am. Phys. Soc. **18**, 126 (1973).

“Study of YKK Final States in K^-d Interactions at 2.87 GeV/c” (with University of Maryland, Syracuse and Tufts Universities), Bull. Am. Phys. Soc. **18**, 126 (1973).

“Resonance Production in $K^-n \rightarrow \Sigma^- \pi^+ \pi^- (\pi^0)$ Reactions at 2.87 GeV/c” (with Tufts University), Bull. Am. Phys. Soc. **20**, 612 (1975).

“Progress Report on Rare Decays Experiments at BNL,” Hyperon Physics at the Tevatron, 7-8 December 1984, Fermilab.