

Andrew Robert Baden

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Education

B.A. in History	University of Wisconsin, Madison, WI	1976
B.S. in Physics	San Francisco State University, San Francisco, CA	1981
PhD. in Physics	University of California, Berkeley, CA	1986

Professional Experience

Chairman Physics Department, University of Maryland	2006 - present
Professor of Physics University of Maryland	2004 - present
Associate Chairman, Facilities and Personnel Physics Department, University of Maryland	1999 - 2006
Associate Professor of Physics University of Maryland	1995 - 2004
Assistant Professor of Physics University of Maryland	1990 - 1995
Assistant Research Scientist University of Maryland	1989 - 1990
Postdoctoral Research Associate Physics Department, Harvard University	1986 - 1989
Graduate Research Assistant Physics Department, University of California, Berkeley	1981 - 1986

Recognition

Fellow, American Association for the Advancement of Science	2012
Graduate Research Board Fellowship, University of Maryland	2005
Fellow, American Physical Society	2005
SSC Fellowship, Texas National Research Laboratory Commission	1991
Faculty Award for Teaching Excellence, UC. Berkeley, DuPont Corp	1918

Research Grant Summary

High Energy Accelerator Colliding Beam User Group	US DOE	1989 - present
Co-PI Database Computing for the SSC	US DOE	1992 - 1994
Co-PI National Scalable Cluster Project	NSF	1994 - 2002
PI DZero Level 2 Transceiver	FNAL	1998 - 2002
PI CMS HCAL Back-End Electronics	FNAL	1998 - present

Publications “Other”

1. **“Results Of A Search For Fractional Charges On Mercury Drops”**
C. L. Hodges, P. Abrams, A. R. Baden, R. W. Bland, D. C. Joyce, J. P. Royer, F. W. Walters and E. G. Wilson *et al.*. Phys. Rev. Lett. **47**, 1651 (1981).
2. **“Momentum Transfer To The Target In Peripheral Collisions Of Relativistic Heavy Ions”**
S. B. Kaufman, M. S. Freedman, D. J. Henderson, E. P. Steinberg, B. D. Wilkins, A. R. Baden, H. H. Gutbrod and M. R. Maier *et al.*. Phys. Rev. C **26**, 2694 (1982).
3. **“Fission And Deep Spallation Characteristics In Relativistic Nuclear Collisions”**
A. I. Warwick, A. R. Baden, H. H. Gutbrod, M. R. Maier, J. Peter, H. G. Ritter, H. Stelzer and H. H. Wieman *et al.*. Phys. Rev. Lett. **48**, 1719 (1982).
4. **“The Plastic Ball Spectrometer: An Electronic 4 Pi Detector With Particle Identification”**
A. R. Baden *et al.* [GSI-LBL Collaboration]. Nucl. Instrum. Meth. **203**, 189 (1982).
5. **“Jets and kinematics in hadronic collisions”**
A. R. Baden. Int. J. Mod. Phys. A **13**, 1817 (1998).

Publications Mark II Collaboration

6. **“Measurement of the Lifetime of Bottom Hadrons”**
N. Lockyer, J. Jaros, M. E. Nelson, G. S. Abrams, D. Amidei, A. R. Baden, C. A. Blocker and A. Boyarski *et al.*
10.1103/PhysRevLett.51.1316
Phys. Rev. Lett. **51**, 1316 (1983).
7. **“Weak Neutral Currents in e^+e^- Collisions at $\sqrt{s}=29\text{-GeV}$ ”**
M. E. Levi, C. A. Blocker, J. Strait, G. S. Abrams, D. Amidei, A. R. Baden, A. Boyarski and M. Breidenbach *et al.*
10.1103/PhysRevLett.51.1941
Phys. Rev. Lett. **51**, 1941 (1983).
8. **“A Search for Supersymmetric Electrons”**
L. D. Gladney, R. J. Hollebeek, B. LeClaire, G. S. Abrams, D. Amidei, A. R. Baden, A. Boyarski and M. Breidenbach *et al.*
10.1103/PhysRevLett.51.2253
Phys. Rev. Lett. **51**, 2253 (1983).
9. **“Study Of Heavy Quark Production With The Mark-II Detector At Pep”**
G. S. Abrams, D. Amidei, A. R. Baden, C. de la Vaissiere, G. Gidal, M. S. Gold, G. Goldhaber and L. Golding *et al.*

10. **“A Measurement of the D0 Lifetime”**
J. M. Yelton, L. D. Gladney, G. Goldhaber, G. S. Abrams, D. Amidei, A. R. Baden, A. Boyarski and J. Boyer *et al.*
10.1103/PhysRevLett.52.2019
Phys. Rev. Lett. **52**, 2019 (1984).
11. **“An Upper Limit on the ν_τ Mass”**
C. Matteuzzi, G. S. Abrams, C. de la Vaissiere, D. Amidei, A. R. Baden, A. Boyarski, J. Boyer and M. Breidenbach *et al.*
10.1103/PhysRevLett.52.1869
Phys. Rev. Lett. **52**, 1869 (1984).
12. **“Inclusive production of vector mesons in e^+e^- annihilation at 29-GeV”**
H. Schellman, G. Trilling, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
13. **“Measurement of K^\pm and K^0 Inclusive Rates in e^+e^- Annihilation at 29-GeV”**
H. Schellman, G. Trilling, G. S. Abrams, D. Amidei, A. R. Baden, J. Boyer, F. Butler and J. B. Dillon *et al.*
10.1103/PhysRevD.31.3013
Phys. Rev. D **31**, 3013 (1985).
14. **“ Λ Production in e^+e^- Annihilation at 29-GeV”**
C. de la Vaissiere, V. Luth, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
10.1103/PhysRevLett.54.2071
Phys. Rev. Lett. **54**, 2071 (1985), [Erratum-ibid. **55**, 263 (1985)].
15. **“Searches for Unstable Neutral Leptons in Low Multiplicity Events From Electron - Positron Annihilation”**
M. L. Perl, T. Barklow, A. Boyarski, M. Breidenbach, P. Burchat, D. L. Burke, J. Dorfan and G. J. Feldman *et al.*
10.1103/PhysRevD.32.2859
Phys. Rev. D **32**, 2859 (1985).
16. **“Charged Multiplicity of Hadronic Events Containing Heavy Quark Jets”**
P. C. Rowson, G. Trilling, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
10.1103/PhysRevLett.54.2580
Phys. Rev. Lett. **54**, 2580 (1985).
17. **“An improved upper limit on tau-neutrino mass”**
C. Matteuzzi, G. S. Abrams, C. de la Vaissiere, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and

J. Boyer *et al.*.

10.1103/PhysRevD.32.800

Phys. Rev. D **32**, 800 (1985).

18. **“Search for Monojet Production in e^+e^- Annihilation”**

G. J. Feldman, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski, J. Boyer and M. Breidenbach *et al.*.

10.1103/PhysRevLett.54.2289

Phys. Rev. Lett. **54**, 2289 (1985).

19. **“Measurement of the Branching Fraction for $\tau^- \rightarrow 5\pi^\pm(\pi^0) \nu_\tau$ and an Upper Limit on the ν_τ Mass”**

P. Burchat, W. B. Schmidke, J. M. Yelton, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow and A. Boyarski *et al.*.

10.1103/PhysRevLett.54.2489

Phys. Rev. Lett. **54**, 2489 (1985).

20. **“Upper Limit of B^0 anti- B^0 mixing in e^+e^- Annihilation at 29-GeV”**

T. Schaad, M. E. Nelson, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*.

10.1016/0370-2693(85)91490-X

Phys. Lett. B **160**, 188 (1985).

21. **“Inclusive Charged Particle Distribution in Nearly Threefold Symmetric Three Jet Events at $e(\text{CM}) = 29\text{-GeV}$ ”**

A. Petersen, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski, J. Boyer and M. Breidenbach *et al.*.

10.1103/PhysRevLett.55.1954

Phys. Rev. Lett. **55**, 1954 (1985).

22. **“Measurement of the Branching Fractions $\tau^- \rightarrow \rho^- \nu_\tau$ and $\tau^- \rightarrow K^* - \nu_\tau$ ”**

J. M. Yelton, J. Dorfan, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*.

10.1103/PhysRevLett.56.812

Phys. Rev. Lett. **56**, 812 (1986).

23. **“Charged Meson Pair Production in $\gamma\gamma$ Interactions”**

J. Boyer, D. L. Burke, F. Butler, G. Gidal, G. S. Abrams, D. Amidei, A. R. Baden and T. Barklow *et al.*.

10.1103/PhysRevLett.56.207

Phys. Rev. Lett. **56**, 207 (1986).

24. **“A study of noncollinear two charged particle events produced in 29-gev electron - positron annihilation”**

- M. L. Perl, L. Muller, T. Barklow, A. Boyarski, M. Breidenbach, P. Burchat, D. L. Burke and J. Dorfan *et al.*
 10.1103/PhysRevD.34.3321
 Phys. Rev. D **34**, 3321 (1986).
25. **“Measurement of the D^0 and D^+ Lifetimes”**
 L. D. Gladney, J. Jaros, R. A. Ong, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow and A. Boyarski *et al.*
 10.1103/PhysRevD.34.2601
 Phys. Rev. D **34**, 2601 (1986).
26. **“Study of the Decay $\tau^- \rightarrow \pi^- \pi^- \pi^+ \nu_\tau$ ”**
 W. B. Schmidke, G. S. Abrams, C. Matteuzzi, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
 10.1103/PhysRevLett.57.527
 Phys. Rev. Lett. **57**, 527 (1986).
27. **“Measurement of the Branching Fractions of the τ Lepton Using a Tagged Sample of τ Decays”**
 P. Burchat, G. J. Feldman, T. Barklow, A. Boyarski, D. L. Burke, J. Dorfan, L. D. Gladney and G. Hanson *et al.*
 10.1103/PhysRevD.35.27
 Phys. Rev. D **35**, 27 (1987).
28. **“A Comparison of the Particle Flow in Three Jet and Radiative Two Jet Events From e^+e^- Annihilation at $\sqrt{s}(\text{CM}) = 29\text{-GeV}$ ”**
 P. D. Sheldon, G. Trilling, A. Petersen, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow and A. Boyarski *et al.*
 10.1103/PhysRevLett.57.1398
 Phys. Rev. Lett. **57**, 1398 (1986).
29. **“Observation of Ξ^- Production in e^+e^- Annihilation at 29-GeV”**
 S. Klein, T. Himel, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
 10.1103/PhysRevLett.58.644
 Phys. Rev. Lett. **58**, 644 (1987).
30. **“Limit on the Decay $D^0 \rightarrow e^\pm \mu^\mp$ ”**
 K. Riles, J. Dorfan, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
 10.1103/PhysRevD.35.2914
 Phys. Rev. D **35**, 2914 (1987).
31. **“The Reactions $\gamma\gamma \rightarrow K^0 K^\pm \pi^\pm$ and $\gamma\gamma^* \rightarrow K^0 K^\pm \pi^\pm$ ”**
 G. Gidal, J. Boyer, F. Butler, D. Cords, G. S. Abrams, D. Amidei, A. R. Baden and T. Barklow *et al.*

32. **“Search for Heavy Neutrino Production at PEP”**
 C. Wendt, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski, J. Boyer and P. Burchat *et al.*
 10.1103/PhysRevLett.58.1810
 Phys. Rev. Lett. **58**, 1810 (1987).
33. **“Study of τ Decay Modes With Multiple Neutral Mesons in the Final States”**
 K. K. Gan, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski, J. Boyer and P. Burchat *et al.*
 10.1103/PhysRevLett.59.411
 Phys. Rev. Lett. **59**, 411 (1987).
34. **“Observation of a Spin 1 Resonance in the Reaction $\gamma\gamma^* \rightarrow K^0 K^\pm \pi^\mp$ ”**
 G. Gidal, J. Boyer, F. Butler, D. Cords, G. S. Abrams, D. Amidei, A. R. Baden and T. Barklow *et al.*
 10.1103/PhysRevLett.59.2016
 Phys. Rev. Lett. **59**, 2016 (1987).
35. **“Observation of Spin 1 F1 (1285) in the Reaction $\gamma\gamma^* \rightarrow \text{Eta0 } \pi^+ \pi^-$ ”**
 G. Gidal, J. Boyer, F. Butler, D. Cords, G. S. Abrams, D. Amidei, A. R. Baden and T. Barklow *et al.*
 10.1103/PhysRevLett.59.2012
 Phys. Rev. Lett. **59**, 2012 (1987).
36. **“Multi - Hadronic Events at E(c.m.) = 29-GeV and Predictions of QCD Models from E(c.m.) = 29-GeV to E(c.m.) = 93-GeV”**
 A. Petersen, G. S. Abrams, C. Adolphsen, C. Akerlof, J. P. Alexander, M. Alvarez, D. Amidei and A. R. Baden
et al.
 10.1103/PhysRevD.37.1
 Phys. Rev. D **37**, 1 (1988).
37. **“Measurement of the D0 Lifetime From the Upgraded Mark-II Detector at PEP”**
 S. R. Wagner, D. A. Hinshaw, R. A. Ong, G. S. Abrams, C. Adolphsen, C. Akerlof, J. P. Alexander and
 M. Alvarez *et al.*
 10.1103/PhysRevD.36.2850
 Phys. Rev. D **36**, 2850 (1987).
38. **“Upper Limit on the Branching Ratio for the Decay $\tau^- \rightarrow \pi^- \eta \nu_\tau$ ”**
 K. K. Gan, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski, J. Boyer and P. Burchat *et al.*
 10.1016/0370-2693(87)91056-2
 Phys. Lett. B **197**, 561 (1987).
39. **“Observation of Ω^- Production in e^+e^- Annihilation at 29-GeV”**
 S. Klein, T. Himel, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
 10.1103/PhysRevLett.59.2412
 Phys. Rev. Lett. **59**, 2412 (1987).

40. **“Determination of α_s From Energy-energy Correlations in e^+e^- Annihilation at 29-GeV”**
D. R. Wood, A. Petersen, G. S. Abrams, C. Adolphsen, C. Akerlof, J. P. Alexander, M. Alvarez and D. Amidei *et al.*
10.1103/PhysRevD.37.3091
Phys. Rev. D **37**, 3091 (1988).
41. **“Measurement of the Tau Lifetime”**
D. Amidei, G. Trilling, G. S. Abrams, A. R. Baden, J. Boyer, F. Butler, G. Gidal and M. S. Gold *et al.*
10.1103/PhysRevD.37.1750
Phys. Rev. D **37**, 1750 (1988).
42. **“Photon Photon Physics With The Mark-II At Pep”**
D. Cords, G. Gidal, J. Boyer, F. Butler, G. S. Abrams, D. Amidei, A. R. Baden and T. Barklow *et al.*
43. **“Observation of ψ production in e^+e^- annihilation at 29-GeV”**
G. Wormser, R. A. Ong, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
10.1103/PhysRevD.38.1001
Phys. Rev. D **38**, 1001 (1988).
44. **“ η and η' Production in e^+e^- Annihilation at 29-GeV: Indications for the $D(s)^+$ - Decays Into $\eta\pi^\pm$ and $\eta'\pi^\pm$ ”**
G. Wormser, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski, J. Boyer and P. Burchat *et al.*
10.1103/PhysRevLett.61.1057
Phys. Rev. Lett. **61**, 1057 (1988).
45. **“Inclusive Lepton Production in e^+e^- Annihilation at 29-GeV”**
R. A. Ong, A. Weir, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
10.1103/PhysRevLett.60.2587
Phys. Rev. Lett. **60**, 2587 (1988).
46. **“Bose-Einstein Correlations in e^+e^- Collisions”**
I. Juricic, G. Goldhaber, G. Gidal, G. S. Abrams, D. Amidei, A. R. Baden, J. Boyer and F. Butler *et al.*
10.1103/PhysRevD.39.1
Phys. Rev. D **39**, 1 (1989).
47. **“Measurement of single and double radiative low Q^2 Bhabha scattering at $E(\text{cm}) = 29\text{-GeV}$ ”**
D. Karlen, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski, J. Boyer and P. Burchat *et al.*
10.1103/PhysRevD.39.1861
Phys. Rev. D **39**, 1861 (1989).
48. **“A Refined Measurement of the B Hadron Lifetime”**
R. A. Ong, J. Jaros, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*

10.1103/PhysRevLett.62.1236

Phys. Rev. Lett. **62**, 1236 (1989).

49. **“Searches For Nonliminal Higgs Bosons From A Virtual Z Decaying Into A Muon Pair At Pep”**
S. Komamiya, C. Fordham, G. S. Abrams, C. Adolphsen, C. Akerlof, J. P. Alexander, M. Alvarez and D. Amidei *et al.*
10.1103/PhysRevD.40.721
Phys. Rev. D **40**, 721 (1989).
50. **“ $\Lambda(c)+$ Production and Semileptonic Decay in 29-GeV e^+e^- Annihilation”**
S. Klein, T. Himel, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
10.1103/PhysRevLett.62.2444
Phys. Rev. Lett. **62**, 2444 (1989).
51. **“The Mark-II Detector for the SLC”**
G. S. Abrams, C. Adolphsen, C. Akerlof, J. P. Alexander, M. Alvarez, D. Averill, A. R. Baden and J. Ballam *et al.*
10.1016/0168-9002(89)91217-5
Nucl. Instrum. Meth. A **281**, 55 (1989).
52. **“Studies of Jet Production Rates in e^+e^- Annihilation at $e(\text{CM}) = 29\text{-GeV}$ ”**
S. Bethke, G. S. Abrams, C. Adolphsen, C. Akerlof, J. P. Alexander, M. Alvarez, A. R. Baden and J. Ballam *et al.*
10.1007/BF01506527
Z. Phys. C **43**, 325 (1989).
53. **“Search for B Decay to Higgs Bosons for Higgs Boson Masses Between 50-MeV/ c^2 and 210-MeV/ c^2 ”**
A. Snyder, W. N. Murray, G. S. Abrams, C. Adolphsen, C. Akerlof, J. P. Alexander, M. Alvarez and D. Amidei *et al.*
10.1016/0370-2693(89)90177-9
Phys. Lett. B **229**, 169 (1989).
54. **“Upper Limits on D^\pm and B^\pm Decays to Two Leptons Plus π^\pm or K^\pm ”**
A. J. Weir, S. R. Klein, G. Abrams, C. E. Adolphsen, C. Akerlof, J. P. Alexander, M. Alvarez and D. Amidei *et al.*
10.1103/PhysRevD.41.1384
Phys. Rev. D **41**, 1384 (1990).
55. **“Search for a Nearly Degenerate Lepton Doublet (L^- , L_0)”**
K. Riles, M. L. Perl, T. Barklow, A. Boyarski, P. Burchat, D. L. Burke, J. Dorfan and G. J. Feldman *et al.*
10.1103/PhysRevD.42.1
Phys. Rev. D **42**, 1 (1990).

56. **“Measurement of the B0 Meson Lifetime”**
S. R. Wagner, D. A. Hinshaw, R. A. Ong, A. Snyder, G. S. Abrams, C. Adolphsen, C. Akerlof and J. P. Alexander *et al.*
10.1103/PhysRevLett.64.1095
Phys. Rev. Lett. **64**, 1095 (1990).
57. **“Radiative Tau Production and Decay”**
D. Y. Wu, K. G. Hayes, M. L. Perl, G. S. Abrams, D. Amidei, A. R. Baden, T. Barklow and A. Boyarski *et al.*
10.1103/PhysRevD.41.2339
Phys. Rev. D **41**, 2339 (1990).
58. **“A Reanalysis of B^0 - anti- B^0 mixing in e^+e^- Annihilation at 29-GeV”**
A. Weir, G. S. Abrams, C. Adolphsen, J. P. Alexander, M. Alvarez, D. Amidei, A. R. Baden and B. C. Barish *et al.*
10.1016/0370-2693(90)90447-E
Phys. Lett. B **240**, 289 (1990).
59. **“Study of Four Lepton Final States in e^+e^- Interactions at $\sqrt{s} = 29\text{-GeV}$ ”**
M. Petradza, R. Thun, G. Abrams, D. Amidei, A. R. Baden, T. Barklow, A. Boyarski and J. Boyer *et al.*
10.1103/PhysRevD.42.2171
Phys. Rev. D **42**, 2171 (1990).
60. **“A Search for Elastic Nondiagonal Lepton Pair Production in e^+e^- Annihilation at $\sqrt{s} = 29\text{-GeV}$ ”**
J. J. Gomez Cadenas, C. A. Heusch, G. S. Abrams, C. Adolphsen, C. Akerlof, J. P. Alexander, M. Alvarez and D. Amidei *et al.*
10.1103/PhysRevLett.66.1007
Phys. Rev. Lett. **66**, 1007 (1991).
61. **“Measurement of the Total Hadronic Cross-section in e^+e^- Annihilation at $\sqrt{s} = 29\text{-GeV}$ ”**
C. Von Zanthier *et al.* [MARK-II Collaboration].
10.1103/PhysRevD.43.34
Phys. Rev. D **43**, 34 (1991).
62. **“Two photon production of pion pairs”**
J. Boyer, F. Butler, G. Gidal, G. Abrams, D. Amidei, A. R. Baden, M. S. Gold and L. Golding *et al.*
10.1103/PhysRevD.42.1350
Phys. Rev. D **42**, 1350 (1990).
63. **“Measurement of the two photon width of the $\eta'(958)$ ”**
F. Butler, J. Boyer, G. Gidal, G. Abrams, D. Amidei, A. R. Baden, M. S. Gold and G. Goldhaber *et al.*
10.1103/PhysRevD.42.1368
Phys. Rev. D **42**, 1368 (1990).

64. **“A Search for the production of the final states $\tau^+\tau^-e^+e^-$, $\tau^+\tau^-\mu^+\mu^-$, and $\tau^+\tau^-\pi^+\pi^-$ in e^+e^- collisions at $\sqrt{s} = 29\text{-GeV}$ ”**
T. Barklow *et al.* [Mark-II Collaboration].
10.1103/PhysRevLett.68.13
Phys. Rev. Lett. **68**, 13 (1992).
65. **“Inclusive charged hadron and K0 production in two photon interactions”**
D. Cords, J. Boyer, F. Butler, G. Gidal, G. S. Abrams, D. Amidei, A. R. Baden and T. Barklow *et al.*.
10.1016/0370-2693(93)90406-8
Phys. Lett. B **302**, 341 (1993).

Publications CDF Collaboration

66. **“The CDF Detector: An Overview”**
F. Abe *et al.* [CDF Collaboration].
10.1016/0168-9002(88)90298-7
Nucl. Instrum. Meth. A **271**, 387 (1988).
67. **“Transverse Momentum Distributions of Charged Particles Produced in $\bar{p}p$ Interactions at $\sqrt{s} = 630\text{ GeV}$ and 1800 GeV ”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevLett.61.1819
Phys. Rev. Lett. **61**, 1819 (1988).
68. **“A measurement of W boson production in $1.8\text{ TeV } \bar{p}p$ collisions”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevLett.62.1005
Phys. Rev. Lett. **62**, 1005 (1989).
69. **“Measurement of the inclusive jet cross-section in $\bar{p}p$ collisions at $\sqrt{s} = 1.8\text{ TeV}$ ”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevLett.62.613
Phys. Rev. Lett. **62**, 613 (1989).
70. **“Limits on the masses of supersymmetric particles from $1.8\text{ TeV } p\bar{p}$ collisions”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevLett.62.1825
Phys. Rev. Lett. **62**, 1825 (1989).
71. **“Dijet angular distributions from $\bar{p}p$ collisions at $\sqrt{s} = 1.8\text{ TeV}$ ”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevLett.62.3020
Phys. Rev. Lett. **62**, 3020 (1989).

72. **“Search for Heavy Stable Particles in 1.8-TeV pp Collisions at the Fermilab Collider”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevLett.63.1447
Phys. Rev. Lett. **63**, 1447 (1989).
73. **“Measurement of the mass and width of the Z^0 boson at the Fermilab Tevatron”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevLett.63.720
Phys. Rev. Lett. **63**, 720 (1989).
74. **“A search for the top quark in the reaction $\bar{p}p \rightarrow e + \text{jets}$ at $\sqrt{s} = 1.8 \text{ TeV}$ ”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevLett.64.142
Phys. Rev. Lett. **64**, 142 (1990).
75. **“A measurement of D^* production in jets from $\bar{p}p$ collisions at $\sqrt{s} = 1.8 \text{ TeV}$ ”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevLett.64.348
Phys. Rev. Lett. **64**, 348 (1990).
76. **“Pseudorapidity distributions of charged particles produced in $\bar{p}p$ interactions at $\sqrt{s} = 630 \text{ GeV}$ and 1800 GeV ”**
F. Abe *et al.* [CDF Collaboration].
10.1103/PhysRevD.41.2330
Phys. Rev. D **41**, 2330 (1990).
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