
Carl L. Lundstedt

Personal Information

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Education

Dec 2001 Ph.D in Physics, University of Nebraska
May 1995 M.S. in Physics, University of Nebraska
May 1993 B.S. in Physics, University of Dallas, Graduated Sigma Pi Sigma

Dissertation Title

A Search for Stop Squarks in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV Utilizing the DØ Detector.

Employment History

8/02 – Present	University of Nebraska, Lincoln	Classroom Lecturer
1/02 – Present	University of Nebraska, Lincoln	Postdoctoral Researcher
8/96 – 12/01	University of Nebraska, Lincoln	Research Assistant Teaching Assistant
1997	Technological Service Solutions	Computer Technician
8/92 – 5/93	University of Dallas, Irving, TX	Undergraduate Research Assistant
8/89 – 8/92	University of Dallas, Irving, TX	Undergraduate Teaching Assistant

Current Physics Interests

- Working with the Center for Material Research at the University of Nebraska, Lincoln to model a new class of thermal neutron detectors. The modeling is being accomplished using GEANT4, a C++ toolkit designed for modeling particle detectors. Although the work has just recently been started, much progress has been made in fully describing the detector via simulation.
- Currently working with the DØ experiment at Fermi National Accelerator Laboratory to search the full Run 1a,b,c data sets for evidence of the production of light supersymmetric (SUSY) scalar particles, in particular the light stop squark. This analysis contains several challenges that arise from high luminosity quark-quark interactions coupled with detector uncertainties. To facilitate the reduction of detector malfunctions, data analysis and algorithms have been employed to eliminate errors in the data set arising from systematic errors. The production and verification of a large amount of Monte Carlo background events is also a key component to the analysis.
- A contributor and advisor for the University of Nebraska's Cosmic Ray Observation Project (CROP). CROP is a long-term scientific outreach project intended to utilize high school students and teachers in the accumulation and analysis of high energy cosmic ray showers

which strike detectors placed onsite at participating high schools. Among the many problems facing the project are the construction and implementation of collaborative tools that utilize the internet. The programming and implementation of such tools has been a recent project of mine. Utilizing open source projects such as 'moregroupware' and PHP-Nuke, the CROP project has collaborative tools that all participants can access via any web browser in the world.

Other Professional Interests

- As a graduate student at the University of Nebraska, Lincoln (UNL) I became quite involved with the use and administration of computers running the Linux operating system. In 2000 I helped found the Husker Linux Users Group (HLUG) at UNL and served as co-chair of the group until I graduated and could no longer serve in the capacity. I still remain an active member and consultant. HLUG consists of students, professionals and enthusiasts all working together to use, learn and promote Linux. The group meets regularly and has also hosted "installfests" and Lan parties to help expand the interest in Linux as a viable, useful alternative to commercial software. Linux has been crucial in my research at UNL and is becoming the operating system of choice for researchers in high energy physics.

Currently HLUG has a very active electronic mailing list, an excellent campus presence and an emerging computer cluster that will be available to the entire campus.

Research Experience

- **2002-Present** Began work to construct a simulation of a neutron detector developed at the University of Nebraska, Lincoln. The simulation utilizes the GEANT4 toolkit created at CERN for the full modeling of detector response of any variety of physical particle detector.
- **1998-Present** Analysis of DØ data to search for the production of stop squarks. Data analysis of high energy particle physics takes a large amount of computer competence and experience. The data reconstruction and analysis take place on SGI Challenges running the IRIX UNIX operating system. Interaction with the machines located at Fermi National Lab takes place remotely from a workstation located at the University of Nebraska, Lincoln.

The dataset involved is approximately 1.5 Terabytes in size. The data, in its raw form, is streamed from tape robots to disk drives for formatting in compressed form. Extraneous information is stripped from the data to allow for smaller datasets to be stored on disk. Reduced datasets are then processed through the reconstruction software to construct physics objects from the data values. Constructing the scripts and techniques to facilitate the data recovery from tape was an early responsibility of mine.

Comparison of data to expected background is essential for the completion of a new physics search. The creation and verification of Monte Carlo background samples helps to predict the standard model backgrounds. Verification of these generated samples was also my responsibility.

Data selection optimization is a crucial step in search analysis. I utilized random grid searches and neural networks to construct the best criteria for the search.

- **1997** Ported the DØ analysis library of code to run on the DEC UNIX operating system. This library of code encompassed almost 2 gigabytes of FORTRAN code that comprise the DØ analysis and Monte Carlo code base. The port was to allow the new DEC operating system to be used for DØ analysis. After the port was complete, Fermi National Laboratory pulled support of the DEC UNIX OS.

Assisted the DØ collaboration's testing of the SVX chips at the DØ test-beam at Fermi National Laboratory (FNAL). This activity mostly consisted of running "shifts" that

accumulated data from the interaction of the SVX test ladders with a 200 GeV pion beam on the FNAL fixed target line. This data was used to determine energy response, radiation hardness and overall fitness of the SVX chips for inclusion in the DØ detector.

- **1991-1993** As undergraduate research I assisted Dr. Sally Hicks in low energy nuclear scattering experiments. These experiments were conducted at the University of Kentucky Van DeGraaf accelerator complex in Lexington, Kentucky. These experiments included elastic neutron and proton scattering off heavy rare earth nuclei. Included in my experiences there was the acquisition of data, the maintenance of the detector, varying experimental parameters, logging of experimental conditions and the transmission of data to analysis machines at remote locations. These experiments were very small scale compared to the large DØ collaboration with which I am now affiliated and carried a great deal of responsibility.

Teaching Experience

- **1993-Present** Taught a variety of undergraduate classes as a graduate assistant at the University of Nebraska, Lincoln (UNL). These classes consisted mostly of laboratory sections and recitations with students ranging from pre-medical students to advanced physics majors. In 1994 I was awarded the outstanding graduate teaching award from the Department of Physics and Astronomy at the UNL. As of fall 2002 I've been lecturing for the University of Nebraska-Lincoln as a temporary staff member.

Courses Taught at UNL

- Physics 141 Lecture – Trigonometry based mechanics and thermodynamics
- Physics 141 Recitation – Trigonometry based mechanics and thermodynamics
- Physics 142 Recitation – Trigonometry based electrostatics and magnetism
- Physics 211 Recitation – Calculus based mechanics
- Physics 212 Recitation – Calculus based electrostatics and magnetism
- Physics 213 Recitation – Calculus based modern physics
- Physics 220 Laboratory – Classical mechanics laboratory section
- Physics 220 Laboratory – As above but utilizing multimedia techniques
- Physics 222 Laboratory – Classical physics E&M laboratory
- Physics 223 Laboratory – Advanced E&M, atomic, nuclear and optics lab
- Physics 223 Laboratory – As above but utilizing computer and multimedia tech
- Physics 213 Laboratory – Electronics laboratory (circuits)

The multiple listing of Physics 220 and 223 is to reflect a fundamental shift in laboratory teaching philosophies at UNL. UNL has shifted its laboratory techniques to utilize readily available microcomputers and video playback devices. As a teaching assistant during the formative years of these techniques feedback to the designers of the labs was essential to ensure quality, error free laboratory sections.

I believe I have enjoyed a great deal of success as a teaching assistant at UNL mostly due to my approachable nature and excellent class room presence. I enjoy teaching the introduction to physics classes because of the nature of the subject and the universal nature of physics problem solving techniques.

- **1989-1993** At the University of Dallas (UD) I was a freshman teaching assistant in the Department of Physics. As a freshman I was laboratory assistant for a class comprised of mostly upperclassmen. I remained a teaching assistant for UD every semester of my undergraduate career save one, when I was studying abroad. My experience at UD helped focus my teaching techniques, such as one-on-one tutoring and fair, accurate grading.

Having been an undergraduate teaching assistant greatly assisted in the transition to graduate school.

Talks Presented

Physics Talks

“Stop Search Using the DØ Particle Detector at Fermilab.” Dissertation Defense (2001).
<http://unlhepcl.unl.edu/cl/thesis/defense.html>

“New phenomena in the jets + missing Et signature at the Tevatron.” Pheno2000 Conference, University of Wisconsin, Madison, Wisconsin (2000).
<http://unlhepcl.unl.edu/cl/pheno/index.html>

“Direct Search for Stop and Sbottom Squarks in 1.8 TeV Hadronic Collisions Utilizing the Dzero Particle Detector.” Sixth Annual Graduate Student Paper Competition, Society of Sigma Xi, Nebraska Chapter 007 (April 2000).

“Search for Stop Squarks in Proton/anti-proton Collisions at a Center of Mass Energy of 1.8 TeV Utilizing the DZERO Particle Detector.” Graduate Research and Creative Activity Symposium, University of Nebraska, Lincoln (March 2000).
http://unlhepcl.unl.edu/cl/sym_talk/index.html

"Search for Supersymmetric Top and Bottom Squarks at $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV." APS Centennial Conference, Atlanta, Georgia (1999).

Linux Talks

“Using Glade for GTK Development.” HLUg general meeting (September 2001).
http://www.unl.edu/hlug/library/glade_lug/index.htm

“Creating Cds in Linux...Feel the Burn!” HLUg general meeting (March 2001).
http://www.unl.edu/hlug/library/march_cdburning/index.html

“Single Floppy Distributions.” HLUg general meeting (February 2001) .
http://www.unl.edu/hlug/library/feb_single_disk/index.html

Publications

Conference Proceedings

"Search for Supersymmetric Top and Bottom Squarks at $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV", Carl Lundstedt, *APS Centennial Conference*, Atlanta, Georgia (1999).

"127-Xe spectroscopy from compound (p, γ) cross sections", S. F. Hicks, J.R. Vanhoy G.S. Schoenthal, C.S. Lundstedt, M.T. McEllistrem, and D. Wang, *Proc. Franklin Symposium in Celebration of the Discovery of the Neutrino*, Philadelphia, C.E. Lane and R. I. Steinberg, Ed., World Scientific, (1993).

Peer-reviewed Publication resulting from Undergraduate Research

"Structural characteristics of 142-Ce through inelastic neutron scattering", S. F. Hicks, J. R. Vanhoy, J. M. Anthony, B. M. Haas, B. H. Benedict, B.T. Meehan, C.M. Davoren, and C.L. Lundstedt, Phys. Rev. C 52, 2387 (1995).

Peer-reviewed Publications as part of the D0 Collaboration at Fermi National Accelerator Laboratory

Articles Submitted for Publication

"Direct Search for Charged Higgs Bosons in Decays of Top Quarks", V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration], submitted to Phys. Rev. Lett.; Fermilab-Pub-01/011-E; hep-ex/0102039.

<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-022-E.html>

"Search for New Physics Using QUAERO: A General Interface to D0 Event Data", V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration], submitted to Phys. Rev. Lett.; Fermilab-Pub-01/105-E; hepex/0106039.

<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-105-E.html>

"Search for Single Top Quark Production at D0 Using Neural Networks", V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration], submitted to Phys. Lett. B; Fermilab-Pub-01/102-E; hep-ex/0106059.

<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-102-E.html>

"Hard Single Diffraction in anti-p p Collisions at $S^{1/2} = 630\text{-GeV}$ and 1800-GeV ", B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], submitted to Phys. Rev. Lett.; Fermilab-Pub-99/373-E; hepex/9912061.

<http://www-lib.fnal.gov/archive/2000/pub/Pub-99-375-E.html>

Articles Accepted for Publication

"Search for First-Generation Scalar and Vector Leptoquarks", V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration], accepted by Phys. Rev. D; Fermilab-Pub-01/057-E; hep-ex/0105072.

<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-057-E.html>

"Differential Cross-section for W Boson Production as a Function of Transverse Momentum in p anti-p Collisions at $s^{1/2} = 1.8\text{-TeV}$ ", B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], accepted by Phys. Lett. B; Fermilab-Pub-00/268-E, hep-ex/0010026.

<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-268-E.html>

"High p(T) Jets in anti-p p Collisions at $s^{1/2} = 630\text{-GeV}$ and 1800-GeV ", B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], accepted by Phys. Rev. D; Fermilab-Pub-00/216-E, hep-ex/0012046.

<http://www-lib.fnal.gov/archive/2001/pub/Pub-00-216-E.html>

Articles Published in 2001

"Inclusive Jet Production in p anti-p Collisions", B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. Lett. 86, 1707 (2001); Fermilab-Pub-00/271-E, hep-ex/0011036.

<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-271-E.html>

"Measurement of the Angular Distribution of Electrons from $W \rightarrow e$ neutrino Decays Observed in p anti-p Collisions at $s^{1/2} = 1.8\text{ TeV}$ ", B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. D 63, 072001 (2001); Fermilab-Pub-00/228-E, hep-ex/0009034.

<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-228-E.html>

"A Quasi-Model Independent Search for New High p(T) Physics at DZero", B. Abbott, ..., C. Lundstedt, et

al. [D0 Collaboration], Phys. Rev. Lett. 86, 3712 (2001); Fermilab-Pub-00/304-E; hep-ex/0011071.
<http://www-lib.fnal.gov/archive/2001/pub/Pub-00-304-E.html>

“A Quasi-Model Independent Search for New Physics at Large Transverse Momentum”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. D 64, 012004 (2001); Fermilab-Pub-00/302-E, hep-ex/0011067.
<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-302-E.html>

“The Ratio of Jet Cross-sections at $S^{**}(1/2) = 630\text{-GeV}$ and 1800-GeV ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. Lett. 86, 2523 (2001); Fermilab-Pub-00/213-E, hep-ex/0008072.
<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-213-E.html>

“Ratios of Multijet Cross-sections in p anti-p Collisions at $S^{**}(1/2) = 1.8\text{-TeV}$ ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. Lett. 86, 1955 (2001); Fermilab-Pub-00/218-E, hep-ex/0009012.
<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-218-E.html>

“A Search for Dilepton Signatures from Minimal Low-energy Supergravity in p anti-p Collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. D Rapid Comm. 63, 091102 (2001); Fermilab-Pub-00/042-E; hep-wx/9907048v2.
<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-042-E.html>

“Search for Electroweak Production of Single Top Quarks in p anti-p Collisions”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. D Rapid Comm. 63 031101 (2001); Fermilab-Pub-00/188-E, hep-ex/000824.
<http://www-lib.fnal.gov/archive/2001/pub/Pub-00-188-E.html>

“Search for Large Extra Dimensions in Dielectron and Diphoton Production”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. Lett. 86, 1156 (2001); Fermilab-Pub-00/210-E, hep-ex/0008065.
<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-210-E.html>

Articles Published in 2000

“Cross-section for b jet Production in anti-p p Collisions at $S^{**}(1/2) = 1.8\text{-TeV}$ ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. Lett. 85, 5068 (2000); Fermilab-Pub-00/197-E, hep-ex/0008021.
<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-197-E.html>

“The Isolated Photon Cross-section in p anti-p Collisions at $S^{**}(1/2) = 1.8\text{-TeV}$ ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. Lett. 84, 2786 (2000); Fermilab-Pub-99/354-E; hep-ex/9912017.
<http://www-lib.fnal.gov/archive/1999/pub/Pub-99-354-E.html>

“Limits on Anomalous W W gamma and W W Z Couplings from W W / W Z \rightarrow e neutrino j j Production”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. D 62, 052005 (2000); hep-ex/9912033.
<http://www-lib.fnal.gov/archive/2000/pub/Pub-99-364-E.html>

“Limits on Quark Compositeness from High Energy Jets in anti-p p Collisions at 1.8-TeV ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. D Rapid Comm. 62, 031101 (2000); Fermilab-Pub-99/357-E; hep-ex/9912023.

<http://www-lib.fnal.gov/archive/1999/pub/Pub-99-357-E.html>

“A Measurement of the $W \rightarrow \tau$ neutrino Production Cross-section in p anti-p Collisions at $S^{1/2} = 1.8\text{-TeV}$ ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. Lett. 84, 5710 (2000); Fermilab-Pub-99/373-E; hep-ex/9912065.

<http://www-lib.fnal.gov/archive/2000/pub/Pub-99-373-E.html>

“Probing BFKL Dynamics in the Dijet Cross-section at Large Rapidity Intervals in p anti-p Collisions at $S^{1/2} = 1800\text{-GeV}$ and 630-GeV ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. Lett. 84, 5722 (2000); Fermilab-Pub-99/363-E; hep-ex/9912032.

<http://www-lib.fnal.gov/archive/1999/pub/Pub-99-363-E.html>

“Search for R-parity Violation in Multilepton Final States in p - anti-p Collisions at $s^{1/2} = 1.8\text{-TeV}$ ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. D Rapid Comm. 62, 071701 (2000); Fermilab-Pub-00/109-E, hep-ex/000534.

<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-109-E.html>

“Search for New Physics in e muon X Data at D0 Using Sleuth: A Quasi-Model Independent Search Strategy for New Physics”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. D 62, 92004 (2000); Fermilab-Pub-00/126-E, hep-ex/0006011.

<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-126-E.html>

“Spin Correlation in t anti-t Production from p anti-p Collisions at $S^{1/2} = 1.8\text{-TeV}$ ”, B. Abbott, ..., C. Lundstedt, et al. [D0 Collaboration], Phys. Rev. Lett. 85, 256 (2000); Fermilab-Pub-00/046-E, hep-ex/0002058.

<http://www-lib.fnal.gov/archive/2000/pub/Pub-00-046-E.html>

Documents Published Internally at Fermi National Accelerator Laboratory

“Search for mSUGRA in single electron events with jets and large missing transverse energy in p anti-p collisions at $S^{1/2} = 1.8\text{-TeV}$ ”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (May 2002)
<http://fnalpubs.fnal.gov/archive/2002/pub/Pub-02-074-E.html>

“Improved W boson mass measurement with the D0 detector”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (April 2002)

<http://www-lib.fnal.gov/archive/2002/pub/Pub-02-055-E.html>

“A Direct measurement of W boson decay width”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (March 2002)

<http://www-lib.fnal.gov/archive/2002/pub/Pub-02-063-E.html>

“Search for R-parity violating supersymmetry in dimuon and four jets channel”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (November 2001)

<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-352-E.html>

“Search for leptoquark pairs decaying to neutrino neutrino + jets in p anti-p collisions at $s^{1/2}=1.8\text{-TeV}$ ”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (November 2001)

<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-349-E.html>

“A Search for the scalar top quark in p anti-p collisions at $s^{1/2} = 1.8\text{-TeV}$ ”, V. M. Abazov, ..., C.

Lundstedt, et al. [D0 Collaboration]. (August 2001)
<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-233-E.html>

“The Inclusive jet cross-section in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ using the k-perpendicular algorithm”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (September 2001)
<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-290-E.html>

“Subjet multiplicity of gluon and quark jets reconstructed with the k-perpendicular algorithm in p anti-p collisions”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (August 2001)
<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-248-E.html>

“Measurement of the ratio of differential cross-sections for W and Z boson production as a function of transverse momentum in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (July 2001)
<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-212-E.html>

“Search for leptoquark pairs decaying to neutrino neutrino + jets in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ ”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (June 2001)
<http://www-lib.fnal.gov/archive/2001/conf/Conf-01-286-E.html>

“The Inclusive jet cross-section in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ using the k-perpendicular algorithm”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (June 2001)
<http://www-lib.fnal.gov/archive/2001/conf/Conf-01-285-E.html>

Improved D0 W boson mass determination”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (June 2001)
<http://www-lib.fnal.gov/archive/2001/conf/Conf-01-284-E.html>

“The Ratio of isolated photon cross-sections at $s^{**}(1/2) = 630\text{-GeV}$ and 1800-GeV ”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (June 2001)
<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-239-E.html>

“Search for heavy particles decaying into electron - positron pairs in p anti-p collisions”, V. M. Abazov, ..., C. Lundstedt, et al. [D0 Collaboration]. (February 2001)
<http://www-lib.fnal.gov/archive/2001/pub/Pub-01-024-E.html>

"P874: A Proposal to Measure the PI^+ and PI Lifetimes at High Energy", J. Freeman, S. Geer, C. Hojvat, C. Johnstone, J. Streets, D. Striley, L. DeMortier, N.D. Giokaris, D.M. Khazins, S.Oh, T.J. Phillips, C. Wang, G. Snow, C. Lundstedt. Fermilab Proposal P 874, (1995).

Internal DØ Documents

“A Search for Stop Squarks in ppbar Collisions at $(s)^{**}1/2=1.8\text{ TeV}$ Utilizing the DØ Detector” C. L. Lundstedt DØnote #3883, DZERO internal document.