

Curriculum Vitae

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Personal

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Chronology

08/2003 – Present : Research Scientist, Physics and Astronomy, U. of Rochester
05/2002 - 07/2003 : Research Associate, Physics and Astronomy, U. of Rochester
05/1999 - 04/2002 : Instructor Fellow, Physics and Astronomy, U. of Rochester
09/1993 - 02/1999 : Ph.D., Physics, Korea University
03/1991 - 02/1993 : M.S., Physics, Korea University
03/1987 - 02/1991 : B.S., Physics, Korea University

Experience

Research Scientist at the University of Rochester

Aug. 2003 – Present

Physics Analysis:

I am studying charged Higgs in the top decays. We use the top mass template used for CDF top mass measurement. If the Higgs exists, it decays to di-jets as the W does. With unconstrained W mass in the top template, the di-jet invariant mass will give hints for a charged Higgs or unknown bosons.

Work on the s quark distribution in the proton. By looking at W plus Charm events in the

CDF data, we try to understand the s quark distribution in the proton at the Tevatron. This will give an important (first) input to constrain the s quark in the PDF.

I have tuned electron responses in the CDF simulation. There are some discrepancies in the electron responses between simulation and data. With better tuning electron responses in the simulation, it will reduce the jet energy scale uncertainty, especially of the neutral response in the jets. This tuning will benefit many physics topics, especially in Top and QCD.

I have been studying W boson production asymmetry. Because the neutrino from W decay is not detected in the Collider Detector at Fermilab (CDF), we partially reconstruct W rapidity using measured lepton momentum, missing ET, and the given world average of W mass. The W production asymmetry is highly sensitive to the parton distributions. Also have been studying dielectron rapidity (y) distribution from γ^*/Z decays in the Z boson mass range. The measurement of dielectron rapidity is to constrain Parton Distribution Functions better with the W production asymmetry measurement.

I had been serving as a **co-convenor of Pentaquark Task Force** and a **co-leader of Jet Task Force** at CDF. In addition, I am currently serving as a quality assurance physicist for 6-channel QIE boards for CMS hadron calorimeter.

- **A co-convenor of Pentaquark Task Force at CDF**

A pentaquark is an exotic particle with a narrow bound state of four quarks and an anti-quark. There have been many interpretations and predictions for the existence of this exotic state. Discovery of such exotic states will have a significant impact on furthering the understanding of QCD multi-quark systems. We are searching for many possible light and heavy pentaquark states at CDF. I had served as a co-convenor of this task force during 03/2004 ~ 09/2005.

- **A co-leader of Jet Task Force at CDF**

I am involved in the CDF detector simulation efforts to tune up calorimeters in all regions to the data. The energy scale is the most important factor to determine TOP quark mass along with other measurements using calorimeter information. I also had been appointed as a co-leader of this task force from March 2004 until February 2005.

Hardware and Electronics

- **6-channel QIE board for CMS Hadron Calorimeter (HB/HE/HO/HF)**

QIE is an acronym for the functions of the ASIC, Q(charge) I(integration) and E(encode). A large dynamic range is accomplished through a multi-range technique. This chip is the most advanced electronics chip and it will be used to determine energy in the CMS calorimeters. Energy measurement is the most important quantity to discover new particles. I have been assigned as a quality assurance physicist for 6-channel QIE boards for CMS hadron calorimeter from January 2004.

Research Associate at the University of Rochester

May. 1999 – July 2003

Physics Analysis :

I have measured the mass dependence of forward-backward charge asymmetry, A_{fb} , and production cross section, $d\sigma/dM$, for e^+e^- pairs with mass $M(ee) > 40 \text{ GeV}/c^2$. The data sample consists of 108 pb^{-1} of $p\bar{p}$ collisions at $\sqrt{s}=1.8 \text{ TeV}$ taken by the CDF during 1992-1995. The measured asymmetry and cross section are compared with the predictions of the Standard Model and a model with an extra Z' gauge boson. The results are published in **Phys. Rev. Lett 87, 131802 (2001)**.

I have studied dielectron rapidity (y) distribution from γ^*/Z decays in the Z mass range, $66 < M(ee) < 116 \text{ GeV}/c^2$, and the high mass range, $116 < M(ee) \text{ GeV}/c^2$. The rapidity distribution is measured up to $|\eta| = 2.8$. The data sample consists of 108 pb^{-1} of $p\bar{p}$ collisions at $\sqrt{s}=1.8 \text{ TeV}$ taken by the CDF during 1992-1995. The total and differential cross sections are compared with the Next-Leading-Order (NLO) Quantum Chromo-dynamics (QCD) calculation using the MRST99 parton distribution function. These studies are published in **Phys. Rev. D63, 011101(R), 2000**.

Software :

- **CDF Level3 Trigger**

I have written CDF level3 Trigger Objects in C++ language. Those are **Level3ModuleMap**, **Level3ModuleResults**, and **Level3ModuleSummary**. Level3ModuleMap is a mapping class of Paths, Modules, and Streams of CDF Level 3 Triggers and is attached to the begin run record of events. Level3ModuleResults consists of Level 3 Module information of tried, passed, and CPU time and is attached to the event record of each event. Level3ModuleSummary contains Level 3 summary information of Modules and Paths and is

shown in the end run record of events. Based on these three objects of Level 3 Triggers in the CDF Run II, I have written Level 3 Trigger monitoring programs and incorporated them into the TrigMon of CDF online Consumer package.

- **CDF Plug event display**

I have written an event display program for CDF plug calorimeters, Plug Electromagnetic Calorimeter (PEM), Plug Hadron Calorimeter (PHA), Plug Pre-Radiator (PPR), and Plug ShowerMax (PES) detectors. This package is incorporated into CDF main event display package. This work is based on C++ language and **root** package.

- **CMS Hadron Calorimeter Quality control**

I have written various programs and scripts for quality controls of fibers and mega-tiles of CMS hadron calorimeter. Those are to analysis data, make plots, write summary outputs, and make ntuples for further analysis. These are based on the **Fortran** language and the **Pearl** script.

Hardware :

- **CMS Hadron Calorimeter**

I have been assigned to a final quality assurance physicist for mega-tiles of CMS hadron calorimeter. The light yields from calibration source data (collimated and wire) and fiber scans with UV lamp are checked. The final dimensions of mega-tile, black line widths, and etc are measured and assured. Have worked on optical connectors and polishing blocks to ensure good quality of pin alignments and angles. Pin alignments and angles are important factors for light transmission.

- **CDF Plug Calorimeter**

I have worked on the measurement of noise level of Hadron ASD board.

- **Online Monitoring**

I have participated in monitoring CDF data acquisition since 2001. I am currently being involved in data reconstruction and reduction processes.

Research Assistant of Korea University/Guest Scientist of Fermilab

Jan. 1994 - Apr. 1999

I studied Fermilab E687 data of Λ_c^+ 's various decay modes, $nK^+\pi^+\pi^-$, $p\pi^+\pi^-$, $p\pi^+\pi^-\pi^+\pi^-$, $\Lambda^0\pi^+\pi^-\pi^+$, $\Xi^-K^+\pi^+$, and $\Xi^{*0}(1530)K^+$. Have studied Ξ_c^0 semileptonic decay modes, $\Xi^- \mu^+ X$ and $\Xi^- e^+ X$ using Fermilab E687 data to measure branching ratios to $\Xi^- \pi^+$. My studies indicated that the Ξ_c^0 would decay semileptonically to modes other than $\Xi^- l^+ \nu$, such as $\Xi^- (n)\pi^0 l^+ \nu$. The large statistical error hampers the detailed study of exclusive Ξ_c^0 semileptonic decay modes further.

Hardware:

● **Hadron Calorimeter**

I deeply involved in building and testing of the Hadron Calorimeter (tile/fiber sampling calorimeter) for the Fermilab E831 (FOCUS) experiment. The Hadron Calorimeter was primary designed to provide a trigger mechanism (1st level trigger) that selects hadronic events and rejects electromagnetic background events like e^+e^- pairs by requiring a certain minimum hadronic energy. I had a sole responsibility for radioactive source (wire source with Co60) calibration and repair/replace of the damaged or low efficiency photo-multipliers. Have studied photoelectron yield with different tile sizes and groove depths. I have been involved in most of construction processes of the calorimeter including cutting, polishing and splicing of fibers, testing spliced fibers, checking and mounting photo tubes, measuring tile by tile cross talks, and calibrations with muons and pions. Have also supervised building procedures of the calorimeter. Have written on-line monitoring program of hadron calorimeter which use Fastbus 1881M as a readout system. The calorimeter has been successfully operated during Fermilab 1996-97 fixed target runs with using the total hadronic energy trigger. The performance of the FOCUS hadron calorimeter was reported to **NIM A409, 561 (1998)**.

● **Multi-Wire Proportional Chamber**

I built a small prototype Multi-Wire Proportional Chamber (MWPC) and studied gas mixtures for MWPC. Based on these studies, FOCUS collaboration used the Ar-Ethane (65%-35%) gas mixture during Fermilab 1996-97 fixed target runs.

● **Trigger Counters**

I participated in checking light leakage and setting threshold for FOCUS main trigger counters.

● **Online Monitoring**

I participated in monitoring FOCUS data acquisition during whole 1996-1997 runs. Also have being involved in data reconstruction and reduction processes.

Research Assistant of Korea University/Guest Scientist of KEK

Jan. 1992 - Oct. 1992

I installed KORALZ Monte Carlo at AMY collaborations and made comparison to other generators. Analyzed 1 prong and 3 prong of τ events to measure cross section and charge asymmetry of $e^+e^- \rightarrow \tau^+\tau^-$ process at $\sqrt{s} = 58$ GeV. The results were reported at Korean Physical Society meeting and published in **Phys. Lett. B331, 227 (1994)**.

I have also participated in monitoring data acquisition and the AMY detector at KEK.

Teaching assistant of Korea University (Sep. 1993 - Dec. 1993)

Instructor in introductory undergraduate physics laboratory courses.

Teaching Assistant of Korea University (Mar. 1991 - Dec. 1991)

Instructor in electronics for juniors with physics major.

Conference talks & Professional activities

- 13th International Workshop on Deep Inelastic Scattering (DIS 05), Madison, Wisconsin, 2005; “W asymmetry and Z Rapidity measurements at Tevatron”
- CDF review (“Godparents”) committee for “Inclusive Jet Cross Section using the Midpoint Clustering Algorithm”
- CMS LPC e-gamma workshop, Fermilab, Batavia, IL, 2004; “CDF experience for Simulation and Reconstruction”
- April meeting of the American Physical Society, Denver, CO, 2004; “Search for Charmed Pentaquark States at the Tevatron ppbar collider”
- April meeting of the American Physical Society, Denver, CO, 2004; “Rapidity distribution of Drell-Yan Dielectron pairs at CDF Run II”
- March, 2004 – February, 2005: A Co-leader of Jet Task Force at CDF
- March, 2004 – September, 2005: A Co-convener of PentaQuark Task Force at CDF
- 19th International Workshop on Weak Interaction and Neutrinos, Lake Geneva, WI, USA, 2003; “Extra Gauge Bosons”
- CDF review (“Godparents”) committee for “A search for Large Extra Spacetime Dimensions in Diphotons and Drell-Yan”

- Invited talk at the Fall meeting of the Korean Physical Society, Korea, 2001; “CMS Hadron Calorimeter at the LHC”
- Fall Meeting of the Korean Physical Society, Korea, 1998; “Measurement of $\Xi c 0$ Semileptonic Decays”
- Fall Meeting of the Korean Physical Society, Korea, 1995; “The E831 Hadron Calorimeter”
- Fall Meeting of the Korean Physical Society, Korea, 1992; “The Measurement of Cross Section and Charge Asymmetry of $e^+e^- \rightarrow \tau^+\tau^-$ process at $\sqrt{s} = 58$ GeV”
- The KEK annual Workshop, Japan, 1992; “The Measurement of Cross Section and Charge Asymmetry of $e^+e^- \rightarrow \tau^+\tau^-$ process at $\sqrt{s} = 58$ GeV”

Publications

Y. S. Chung, CDF Collaboration) “W ASYMMETRY AND Z RAPIDITY MEASUREMENT S”, AIP Conf.Proc.792:245-248,2005

Y.S. Chung *et al.* “THE LEVEL-3 TRIGGER AT THE CDF EXPERIMENT AT TEVATR ON RUN II”, 2005. 5pp. IEEE Trans.Nucl.Sci.52:1212-1216,2005

A. Abulencia *et al.* (CDF Collaboration), “MEASUREMENT OF THE HELICITY OF W BOSONS IN TOP-QUARK DECAYS”, FERMILAB-PUB-05-504-E, Nov 2005. 7pp. Submitted to Phys.Rev.Lett.

J.M. Link *et al.* (Focus Collaboration), “NEW MEASUREMENT OF $BR(D^+ \rightarrow \rho^0 M U^+ \nu) / BR(D^+ \rightarrow \text{ANTI-K}^0 M U^+ \nu)$ BRANCHING RATIO”, FERMILAB-PUB-05-502-E, Nov 2005. 12pp. Submitted to Phys.Lett.B

A. Abulencia *et al.* (CDF Collaboration), “SEARCH FOR CHARGED HIGGS BOSONS FROM TOP QUARK DECAYS IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.96$ -TEV”, Oct 2005. 7pp., hep-ex/0510065

A. Abulencia *et al.* (CDF Collaboration), “A SEARCH FOR $T \rightarrow \tau \nu Q$ IN T ANT I-T PRODUCTION”, FERMILAB-PUB-05-484-E, Oct 2005. 7pp. Submitted to Phys.Rev.Lett. hep-ex/0510063

A. Abulencia *et al.* (CDF Collaboration), “PRECISION TOP QUARK MASS MEASUREMENT IN THE LEPTON + JETS TOPOLOGY IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.96$ -TEV”, Oct 2005. 7pp. Submitted to Phys.Rev.Lett. hep-ex/0510063

96-TEV”, FERMILAB-PUB-05-474-E, Oct 2005. 16pp.

Submitted to Phys.Rev.Lett. hep-ex/0510049

A. Abulencia et al. (CDF Collaboration), “TOP QUARK MASS MEASUREMENT USING THE TEMPLATE METHOD IN THE LEPTON + JETS CHANNEL AT CDF. II”, FERMILAB-PUB-05-472-E, Oct 2005. 77pp. hep-ex/0510048

A. Abulencia et al. (CDF Collaboration), “DETERMINATION OF THE JET ENERGY SCALE AT THE COLLIDER DETECTOR AT FERMILAB”, A. Bhatti *et al.*. FERMILAB-PUB-05-470, Oct 2005. 82pp. hep-ex/0510047

A. Abulencia et al. (CDF Collaboration), “STUDY OF THE DECAY ASYMMETRY PARAMETER AND CP VIOLATION PARAMETER IN THE LAMBDA(C)+ ---> LAMBDA PI+ DECAY”, FERMILAB-PUB-05-424-E, Sep 2005. 18pp.

Submitted to Phys.Lett.B, hep-ex/0509042

J.M. Link et al. (Focus Collaboration), “A NON-PARAMETRIC APPROACH TO THE D+ ---> ANTI-K*0 MU+ NU FORM-FACTORS” FERMILAB-PUB-05-413-E, Sep 2005. 13pp., hep-ex/0509027

A. Abulencia et al. (CDF Collaboration), “DIRECT SEARCH FOR DIRAC MAGNETIC MONOPOLES IN P ANTI-P COLLISIONS AT S**(1/2) = 1.96-TEV”, FERMILAB-PUB-05-44-E, Sep 2005. 7pp., Submitted to Phys.Rev.Lett. hep-ex/0509015

A. Abulencia et al. (CDF Collaboration), “SEARCH FOR NEUTRAL MSSM HIGGS BOSONS DECAYING TO TAU PAIRS IN P ANTI-P COLLISIONS AT S**(1/2) = 1.96-TEV”, Phys.Rev.Lett.96:011802,2006

A. Abulencia et al. (CDF Collaboration), “SEARCH FOR B(S)0 ---> MU+ MU- AND B(D)0 ---> MU+MU- DECAYS IN P ANTI-P COLLISIONS WITH CDF. II”, Phys.Rev.Lett.95:221805,2005

A. Abulencia et al. (CDF Collaboration), “MEASUREMENTS OF INCLUSIVE W AND Z CROSS SECTIONS IN P ANTI-P COLLISIONS AT S**(1/2) = 1.96-TEV”, Submitted to Phys.Rev.D, hep-ex/0508029

A. Abulencia et al. (CDF Collaboration), "MEASUREMENT OF B HADRON MASSES IN EXCLUSIVE J/PSI DECAYS WITH THE CDF DETECTOR", FERMILAB-PUB-05-316-E, Aug 2005.

A. Abulencia et al. (CDF Collaboration), "MEASUREMENT OF THE RATIOS OF BRANCHING FRACTIONS $B(B(S)0 \rightarrow D(S)- \pi^+) / B(B0 \rightarrow D- \pi^+)$ AND $B(B+ \rightarrow \text{ANTI-D} 0 \pi^+) / B(B0 \rightarrow D- \pi^+)$.", Submitted to Phys.Rev.Lett, hep-ex/0508014

A. Abulencia et al. (CDF Collaboration), "SEARCH FOR NEW HIGH MASS PARTICLES DECAYING TO LEPTON PAIRS IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.96\text{-TEV}$ ", Phys.Rev.Lett.95:252001,2005

J.M. Link et al. (Focus Collaboration), "SEARCH FOR $\Lambda^+(C) \rightarrow P K^+ \pi^-$ AND $D^+(S) \rightarrow K^+ K^+ \pi^-$ USING GENETIC PROGRAMMING EVENT SELECTION", Phys. Lett.B624:166-172,2005

D. Acosta et al. (CDF Collaboration), "SEARCH FOR $\Lambda^0(B) \rightarrow P \pi$ AND $\Lambda^0(B) \rightarrow P K$ DECAYS IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.96\text{-TEV}$ ", Phys. Rev.D72:051104,2005

D. Acosta et al. (CDF Collaboration), "SEARCH FOR W AND Z BOSONS IN THE REACTION ANTI-P P \rightarrow 2 JETS + GAMMA AT $S^{1/2} = 1.8\text{-TEV}$ ", Phys.Rev.D73:012001,2006

D. Acosta et al. (CDF Collaboration), "A SEARCH FOR SUPERSYMMETRIC HIGGS BOSONS IN THE DI-TAU DECAY MODE IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.8\text{-TEV}$ ", Phys.Rev.D72:072004,2005

D. Acosta et al (CDF Collaboration) "SEARCH FOR NEW PHYSICS USING HIGH MASS TAU PAIRS FROM 1.96-TEV P ANTI-P COLLISIONS", Phys.Rev.Lett.95:131801,2005

J.M. Link et al. (Focus Collaboration), "SEARCH FOR A STRONGLY DECAYING NEUTRAL CHARMED PENTAQUARK", Phys.Lett.B622:229-238,2005

J.M. Link et al. (Focus Collaboration), "SEARCH FOR T VIOLATION IN CHARM MESON DECAYS", Phys.Lett.B622:239-248,2005

D. Acosta et al. (CDF Collaboration), "MEASUREMENT OF THE T ANTI-T PRODUCTION CROSS-SECTION IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.96$ -TEV USING LEPTON PLUS JETS EVENTS WITH SEMILEPTONIC B DECAYS TO MUONS", Phys.Rev.D72:032002,2005

D. Acosta et al. (CDF Collaboration), "MEASUREMENT OF $B(T \rightarrow WB)/B(T \rightarrow WQ)$ AT THE COLLIDER DETECTOR AT FERMILAB", Phys.Rev.Lett.95:102002,2005

J.M. Link et al. (Focus Collaboration), "STUDY OF LAMBDA+(C) CABIBBO FAVORED DECAYS CONTAINING A LAMBDA BARYON IN THE FINAL STATE", Phys.Lett.B624:22-30,2005

D. Acosta et al. (CDF Collaboration), "EVIDENCE FOR THE EXCLUSIVE DECAY $B(C) \rightarrow J / \Psi \pi^+ \pi^-$ AND MEASUREMENT OF THE MASS OF THE B(C) MESON", Submitted to Phys.Rev.Lett., hep-ex/0505076

D. Acosta et al. (CDF Collaboration), "STUDY OF JET SHAPES IN INCLUSIVE JET PRODUCTION IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.96$ -TEV", Submitted to Phys.Rev.D, hep-ex/0505013

J.M. Link et al. (Focus Collaboration), "A MEASUREMENT OF THE $D^+(S)$ LIFETIME", Phys.Rev.Lett.95:052003,2005

D. Acosta et al. (CDF Collaboration), "MEASUREMENT OF THE CROSS SECTION FOR T ANTI-T PRODUCTION IN P ANTI-P COLLISIONS USING THE KINEMATICS OF LEPTON + JETS EVENTS", Submitted to Phys.Rev.D, hep-ex/0504053

D. Acosta et al. (CDF Collaboration), " $K_0(S)$ AND LAMBDA0 PRODUCTION STUDIES IN P ANTI-P COLLISIONS AT $S^{1/2} = 1800$ AND 630-GEV", Submitted to Phys.Rev.D

D. Acosta et al. (CDF Collaboration), "MEASUREMENT OF THE AZIMUTHAL ANGLE DISTRIBUTION OF LEPTONS FROM W BOSON DECAYS AS A FUNCTION OF THE W TRANSVERSE MOMENTUM IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.8$ -TEV", Submitted to Phys.Rev.D, hep-ex/0504020

J.M. Link et al. (Focus Collaboration), "HADRONIC MASS SPECTRUM ANALYSIS OF $D^+ \rightarrow K^- \pi^+ \mu^+ \nu$ DECAY AND MEASUREMENT OF THE $K^*(892)^0$ MASS AND WIDTH", Phys.Lett.B621:72-80,2005

D. Acosta et al. (CDF Collaboration), "SEARCH FOR HIGGS BOSONS DECAYING INTO B ANTI- B AND PRODUCED IN ASSOCIATION WITH A VECTOR BOSON IN P ANTI- P COLLISIONS AT 1.8-TEV", Phys.Rev.Lett.95:051801,2005

J.M. Link et al. (Focus Collaboration), "APPLICATION OF GENETIC PROGRAMMING TO HIGH ENERGY PHYSICS EVENT SELECTION", Nucl.Instrum.Meth.A551:504-527,2005

D. Acosta et al. (CDF Collaboration), "SEARCH FOR LONG-LIVED DOUBLY-CHARGED HIGGS BOSONS IN P ANTI- P COLLISIONS AT $\sqrt{s} = 1.96$ -TEV", Phys.Rev.Lett.95:071801,2005

D. Acosta et al. (CDF Collaboration), "FIRST EVIDENCE FOR $B_0(S) \rightarrow \phi \phi$ DECAY AND MEASUREMENTS OF BRANCHING RATIO AND $A(\text{CP})$ FOR $B^+ \rightarrow \phi K^+$ ", Phys.Rev.Lett.95:031801,2005

D. Acosta et al. (CDF Collaboration), "MEASUREMENT OF THE MOMENTS OF THE HADRONIC INVARIANT MASS DISTRIBUTION IN SEMILEPTONIC B DECAYS", Phys.Rev.D71:051103,2005

D. Acosta et al. (CDF Collaboration), "MEASUREMENT OF THE $W^+ W^-$ PRODUCTION CROSS SECTION IN P ANTI- P COLLISIONS AT $\sqrt{s} = 1.96$ -TEV USING DILEPTON EVENTS", Phys.Rev.Lett.94:211801,2005

D. Acosta et al. (CDF Collaboration), "MEASUREMENT OF THE FORWARD-BACKWARD CHARGE ASYMMETRY FROM $W \rightarrow e \nu$ PRODUCTION IN P ANTI- P COLLISIONS AT $\sqrt{s} = 1.96$ TEV", Phys.Rev.D71:051104,2005

D. Acosta et al. (CDF Collaboration), "SEARCH FOR ZZ AND ZW PRODUCTION IN P ANTI- P COLLISIONS AT $\sqrt{s} = 1.96$ -TEV", Phys.Rev.D71:091105,2005

J.M. Link et al. (Focus Collaboration), "Study of the doubly and singly Cabibbo suppressed

decays $D^+ \rightarrow K^+ \pi^+ \pi^-$ and $D_s^+ \rightarrow K^+ \pi^+ \pi^-$, hep-ex/0407014

D. Acosta et al. (CDF Collaboration), "First measurements of inclusive W and Z cross sections from Run II of the Tevatron collider", hep-ex/0406078

D. Acosta et al. (CDF Collaboration), "Search for doubly-charged Higgs bosons decaying to dileptons in p anti-p collisions at $s^{1/2} = 1.96\text{-TeV}$ ", hep-ex/0406073

J.M. Link et al. (Focus Collaboration), "Measurement of the ratio of the vector to pseudoscalar charm semileptonic decay rate $\Gamma(D^+ \rightarrow \text{anti-K}^0 \mu^+ \text{neutrino})/\Gamma(D^+ \rightarrow \text{anti-K}^0 \mu^+ \text{neutrino})$ ", FERMILAB-PUB-04-111-E, Jun 2004.

D. Acosta et al. (CDF Collaboration), "Inclusive search for anomalous production of high-p(T) like-sign lepton pairs in p anti-p collisions at $s^{1/2} = 1.8\text{-TeV}$ ", FERMILAB-PUB-04-017-E, May 2004

D. Acosta et al. (CDF Collaboration), "Measurement of the t anti-t production cross section in p anti-p collisions at $s^{1/2} = 1.96\text{-TeV}$ using dilepton events", FERMILAB-PUB-04-051-E, Apr 2004

D. Acosta et al. (CDF Collaboration), "Direct photon cross section with conversions at CDF", FERMILAB-PUB-04-044E, Apr 2004

D. Acosta et al. (CDF Collaboration), "The underlying event in hard interactions at the Tevatron anti-p p collider", FERMILAB-PUB-04-041-E, Apr 2004

D. Acosta et al. (CDF Collaboration), "Optimized search for single top quark production at the Fermilab Tevatron", Phys.Rev.D69:052003,2004

D. Acosta et al. (CDF Collaboration), "Search for $B_s \rightarrow \mu^+ \mu^-$ and $B_d \rightarrow \mu^+ \mu^-$ decays in p anti-p collisions at $s^{1/2} = 1.96\text{-TeV}$ ", Phys.Rev. Lett. 93, 032001 (2004)

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J.M. Link et al. (Focus Collaboration), “New measurements of the D_s^+ to $\Phi \mu^+ \nu$ form factor ratios”, Phys.Lett.B586:183-190,2004

J.M. Link et al. (Focus Collaboration), “Measurement of masses and widths of excited charm mesons D_2^* and evidence for broad states”, Phys.Lett.B586:11-20,2004

J.M. Link et al. (Focus Collaboration), “Dalitz plot analysis of D_s^+ and D^+ decay to $\pi^+ \pi^- \pi^+$ using the K-matrix formalism”, Phys.Lett.B585:200-212,2004

D. Acosta et al. (CDF Collaboration), “Observation of the narrow state $X(3872)$ to $J/\psi \pi^+ \pi^-$ in anti-p p collisions at $\sqrt{s} = 1.96\text{-TeV}$ ”, FERMILAB-PUB-03-393-E

D. Acosta et al. (CDF Collaboration), “Heavy flavor properties of jets produced in p anti-p interactions at $\sqrt{s} = 1.8\text{-TeV}$ ”, Phys.Rev.D69:072004,2004

D. Acosta et al. (CDF Collaboration), “Measurement of the polar-angle distribution of leptons from W boson decay as a function of the W transverse momentum in p anti-p collisions at $\sqrt{s} = 1.8\text{-TeV}$ ”, Phys. Rev. D 70, 032004 (2004)

D. Acosta et al. (CDF Collaboration), “Inclusive double pomeron exchange at the Fermilab Tevatron anti-p p collider”, hep-ex/03110233

J.M. Link et al. (Focus Collaboration), “Charm - anticharm baryon production asymmetries in photon nucleon interactions”, Phys.Lett.B581:39-48,2004

J.M. Link et al. (Focus Collaboration), “Study of hadronic five-body decays of charmed mesons involving $K_0(S)$ ”, Phys.Lett.B586:191-197,2004

J.M. Link et al. (Focus Collaboration), “On the narrow dip structure at $1.9\text{-GeV}/c^2$ in diffractive photo-production”, Phys.Lett.B578:290-296,2004

D. Acosta et al. (CDF Collaboration), “Measurement of the average time integrated Mixing probability of B flavored Hadrons produced at the Tevatron”, Phys.Rev.D69:012002,2004

D. Acosta et al. (CDF Collaboration), “Search for the Flavor Changing Neutral Current Decay $D_0 \rightarrow \mu^+ \mu^-$ in p anti-p collisions at $\sqrt{s} = 1.96 \text{ TeV}$ ”, Phys.Rev.D68:091101,2003

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