Deborah Appel Harris

York: Department of Physics
and Astronomy
4700 Keele St.
Toronto, ON M3J 1P3 Canada
(416) 736-2100 ext. 20798

Fermilab: Fermilab MS 220
P.O. Box 500
Batavia, IL 60510 USA
(630) 840-4545

E-mail: dharris@fnal.gov

Professional Experience

7/19 - present	Full Professor, York and Senior Scientist, Fermilab MINERνA: Co-spokesperson DUNE: Liquid Argon Near Detector Group DUNE: York University Institutional Board Representative T2K: Neutrino Interactions and Cross Sections Groups University of Rochester Visiting Scientist
11/10 - 6/19	Senior Scientist, Fermi National Accelerator Laboratory MINERνA: Co-spokesperson (since 2010) Neutrino Physics Center co-Leader (2015-2017) International Student Program Coordinator (9/2017-6/2019)
9/05 - 10/10	Scientist, Fermi National Accelerator Laboratory MINERνA: Project Manager; Chair of Executive Committee;
9/99 - 9/05	Associate Scientist, Fermi National Accelerator Laboratory MINOS: Secondary and Primary Beamline Monitoring Superbeam and Neutrino Factory Feasability Studies
4/94 - 8/99	Postdoctoral Research Fellow, University of Rochester FNAL-E815 (NuTeV): Coordination of calibration beam FNAL-E770/744 (CCFR): Gross Llewellyn Smith Sum Rule
6/90 - 3/94	Graduate Research Assistant, University of Chicago Measurement of BR($K_L \to \pi^0 \ell^+ \ell^-$)
9/89 - 1/91	Graduate Teaching Assistant, University of Chicago

Degrees

Ph.D., June 1994, Physics, Thesis supervisor: Prof. Yau Wah, "A Search for the Decays $K_L \to \pi^0 \ell^+ \ell^-$" University of Chicago, Chicago, IL

M.Sc., June 1992, Physics, University of Chicago, Chicago, IL

A.B., May 1989, University of California at Berkeley Physics

Honors

Fellow of the American Physical Society, 2015

MINERvA Project Team is recipient of the Secretary of Energy's Achievement Award for Project Management, March 2011

Selected Journal Publications

1. "Measurement of the axial vector form factor from antineutrino-proton scattering MINERvA Collaboration, T. Cai, M.L. Moore, A. Olivier *et al.*, Nature, **614**, 48-53 (2023)
2. "Simultaneous measurement of proton and lepton kinematics in quasielastic-like - hydrocarbon interactions from 2 to 20 GeV, D. Ruterbories *et al*, Phys.Rev.Lett. **129** 2, 021803 (2022)
3. "Direct Measurement of Nuclear Dependence of Charged Current Quasielastic-like Neutrino Interactions using MINERvA", M. Betancourt *et al*, Phys .Rev. Lett. **119**, 082001 (2017)
4. "Identification of nuclear effects in neutrino-carbon interactions at low three-momentum transfer, P. Rodrigues *et al*, Phys. Rev. Lett. **116**, 071802 (2016)
5. "Measurement of Ratios of ν_μ Charged-Current Cross Sections on C, Fe, and Pb to CH at Neutrino Energies 2-20 GeV", B. G. Tice, M. Datta, J. Mousseau *et al.*, Phys. Rev. Lett. **112**, 231801 (2014).
6. "Measurement of Muon Neutrino Quasi-Elastic Scattering on a Hydrocarbon Target at E 3.5 GeV", G. A. Fiorentini, D. W. Schmitz, P. Rodrigues *et al*, Phys. Rev. Lett. **111** , 022502 (2013)
7. "Measurement of Muon Antineutrino Quasi-Elastic Scattering on a Hydrocarbon Target at E 3.5 GeV", L. Fields, J. Chvoka, *et al.*, Phys. Rev. Lett. **111** , 022501 (2013)
8. "Design, Calibration and Performance of the MINERvA Detector", L. Aliaga *et al*, Nucl. Inst. and Meth. **A743** (2014) 130.
9. "Accelerator-based neutrino oscillation experiments" Deborah A. Harris, published in **Neutrinos in particle physics, astrophysics and cosmology**, edited by F.J.P. Soler , C D. Froggatt, F. Muheim, Proceedings of 61st Scottish Universities Summer School in Physics, SUSSP61, St. Andrews, UK
10. "Observation of muon neutrino disappearance with the MINOS detectors and the NuMI neutrino beam" D. G. Michael *et al.* , Phys. Rev. Lett. **97** 191801 (2006)
11. "Physics Opportunities at Neutrino Factories", J.J. Gomez-Cadenas and D. A. Harris, Ann. Rev. Nucl. Part. Sci. **52** 253 (2002)
12. "A Measurement of $\alpha_s(Q^2)$ from the Gross-Llewellyn Smith sum rule" J.H.Kim, D. A. Harris *et al*, Phys. Rev. Lett. **81** 3595-3598 (1998)

Selected Plenary Talks and Colloquia

Canadian Association of Physicists Congress 2020, (online) "Neutrino Interferometry at DUNE"

Next Generation Nucleon Decay and Neutrino Detectors (NNN2019), Medellin, Columbia, November 2019, "Overview of Neutrino-Nucleus Interactions"

Flavor Physics and CP Violation (FPCP), Victoria, Canada, May 2019, "Future Neutrino Facilities"

Winter Nuclear and Particle Physics Conference (WNPPC), Banff, Canada, February 2019 "Neutrino Interferometry at DUNE"

Neutrino Interactions in the Few GeV Region (NuINT'17), Toronto, Canada, June 2017: "Experimental Summary of NuINT'17"

International Workshop on Frontiers in Electroweak Interactions of Leptons and Hadrons, Aligarh, India, November 2016: "Fermilab's Current and Future Neutrino Cross-section Measurements Program"

International Center for Theoretical Physics Colloquium, Sao Paulo, Brazil , August 2015: "The Year in Neutrinos"

NuFact'15, Rio de Janeiro Brazil, August 2015: "Prospects for precision of neutrino cross-section measurements over the next 10 years"

Division of Particles and Fields Meeting, Santa Cruz, California, August 2013: "Neutrino Physics"

NuFact'12, JLAB/William and Mary, Virginia, July 2012: "Neutrino Beams"

Neutrino 2010, Athens, Greece, June 2010, "Neutrino Interactions: Results at Neutrino 2012 and Beyond"

DIS08, London, England, April 2008, "Neutrino Physics"

Weak Interactions and Neutrinos 2007, Kolkata, India, January 2007, "MINOS and NOvA"

Neutrino-Nucleus Interactions in the few-GeV Region (NuINT05), Okayama, Japan, September 2005, "Systematic Errors in Long Baseline Experiments"

Lepton Photon 2003, Batavia, IL, August 2003 "Future Experiments with Neutrino Superbeams, Betabeams, and Factories"

Summer School Lectures

Canadian Undergraduate Physics Conference Keynote speaker, Waterloo, ON (and online) October 2023 "CUPC Keynote Address"

Tri-Institute Summer School on Elementary Particles (TRISEP) 2023, Vancouver, BC, July 2023, "Neutrino Experiments"

Accelerator Neutrino Physics, Tri-Institute Summer School on Elementary Particles (TRISEP), hosted by SNOLab, June 2021 (online)

Neutrino Physics Colloquium during the International Neutrino Summer School, Sao Paulo, August 2015

SLAC Summer Institute 2015 "Neutrino Sources"

Invisibles Summer School, Paris France, July 2014: "Experimental Neutrino Physics"

Summer Schools for NuFact07 (Japan), Nufact'05 (Italy), Nufact'04 (Japan), Nufact'03 (USA), Nufact'02 (UK)

SUSSP61: Scottish Universities Summer School in Physics: Neutrinos, St. Andrews, Scotland, August 2006, "Accelerator Neutrino Oscillation Physics"

Selected Outreach and Education Activities

- Co-Chair of International Neutrino Summer School (INSS) Organizing committees: 2016 (Viet Nam) 2015 (Brazil), 2014 (Scotland), 2013 (China), 2012 (USA), 2011 (Switzerland), 2008 (Spain)
- Organizing Committee Member of Summer Schools: INSS 2017 (Fermilab), INSS 2009 (Fermilab), NuFact'05, NuFact'04, NuFact'03
- Speaker at many Career Fairs and Classrooms at High Schools and Middle Schools
- Public Lectures on Neutrinos:
  - "MINERvA: I can't believe we built the whole thing", April 2022, Fermilab Lecture Series on "How to do Big Science"
  - Neutrino Monologues: May 2016 (GoTo Chicago computing conference) October 2015 (CityCode Chicago at Second City Theater), January 2013 (Aspen Center for Physics), Fermilab Physics Slam participant (November 2012)
  - The Fastest Trip between Fermilab and Minnesota: July 2009 (Illinois Institute of Technology, Chicago), December 2006 (Fermilab)
- Contributor to the book *Motherhood, the Elephant in the Laboratory* , edited by Emily Monosson, Cornell University Press, May 2008
- 2005: participation in Quantum Diaries Blog see `http://qd.typepad.com/10/`

External Advisory Activities

- TRIUMF Particle Physics Experiment Evaluation Committee, starting Spring 2021
- SNO+ Director's Review February 2021
- Hyper-Kamiokande Program Advisory Committee, Near Detector Expert Reviewer: Fall 2020 - Winter 2022
- NSERC Compute Canada Proposal Reviewer
- TRIUMF Particle Physics Experimental Evaluation Committee Spring 2021 - Spring 2024
- Reviewer on DOE Review of LSST-DESC: April 2017, and of LSST Facility: December 2017
- J-PARC Physics Advisory Committee: from June 2016 (4-year term)
- NSERC Expert Review Panel for T2K Review: December 2016
- DOE Committee of Visitors: October 2016
- NSF Review of ATLAS and CMS Upgrade Projects, January 2014
- Particle Data Group Advisory Committee:2008, 2010,2012, 2014, chair in 2014
- Daya Bay DOE CD-4a Review Commitee: December 2010
- DPF Nominating Committee: April 2010
- Reviewer on DOE/NSF Review of LHC Maintenance and Operations, Software and Computing: February 2008
- Panofsky Prize Selection Committee member, 2007, 2008
- Reviewer on DOE and NSF University Grant Proposals, CAREER Proposals, NSERC Research Grants Program (Canada), Intalentum (Spain), Agencia Nacional de Evaluacin y Prospectiva (Spain), NSERC T2K Expert Review committee (December 2016)
- Referee for Physical Review Letters, Physical Review **D**, and Nuclear Instruments and Methods

Selected Service on Fermilab Reviews and Committees

- Scientist Advisory Council, October 2016 to September 2018
- Director's Review Committee Member for MicroBooNE, COUPP, DUNE, LBNE, DECAM reviews
- Mu2e CD-3c Director's Review
- DUNE 35-ton Prototype Program Review, June 2016
- Wilson Fellow Committee, October 2013 to present
- Fermilab Committee on Scientific Appointments, 2012-2014
- Director's Reviews of COUPP Experiment and Installation, May 2012 and December 2009
- MicroBooNE CD-3b Director's Review, January 2012
- Search Committee for Scientific Computing Division Head, Fall 2011
- Long Baseline Neutrino Experiment Near Detector Review, October 2010
- Director's Initial Review of the MicroBooNE Project, November 2009
- Scientist Diversity Committee, 2009-2010
- Lederman Fellow Committee, 2007-2010

- DECam Director's Review October 2007
- Committee on Hiring and Retention of Scientific Staff, 2006
- Fermilab Steering Committee Subgroup on Neutrinos, 2007
- Fermilab Long Range Planning Subcomittee on Neutrinos, 2003

Student Supervision

- Supervisor of Ms. Rituparna Banerjee, Masters Student at York University, Degree expected January 2024
- Supervisor of Ms. Maria Mehmood, Masters Student at York University, Degree expected May 2024
- Supervisor of Mr. Rowan Zaki, PhD Student at York University, Degree expected January 2024
- Co-supervisor of Mr. Zubair Ahmad Dar, PhD Student at Aligarh Muslim University, Degree in January 2021, now postdoc at William and Mary
- Co-supervisor of Ms. Faiza Akbar, PhD Student at Aligarh Muslim University, Degree in February 2021, now postdoc at University of Rochester
- Co-supervisor of Mr. Mitchell Yu, PhD Student at York University, Degree in May 2022

Postdoctoral Supervision

- Dr. Noe Roy, postdoc at York University
- Dr. Tejin Cai, postdoc at York University
- Dr. Minoo Kabirnezhad, while postdoc at York University, now has a Royal Commission for the Exhibition of 1851 fellowship with Imperial College of London
- Dr. Fady Shaker, while postdoc at York University, now in industry
- Dr. Nuruzzuman, while Postdoc at Rutgers University and University Technica Santa Maria (Chile), now Data Scientist at Ford Motor Company
- Dr. Manungu Kiveni, while Postdoc at Fermilab, now Data Scientist at Reprosource
- Dr. Minerba Betancourt, while Postdoc at Fermilab, now Wilson Fellow at Fermilab

Complete Bibligraphy

Journal Publications

Review Articles

1. "Physics Opportunities at Neutrino Factories", J.J. Gomez-Cadenas and D. A. Harris, Ann. Rev. Nucl. Part. Sci. **52** 253 (2002)

DUNE

2. "Low exposure long-baseline neutrino oscillation sensitivity of the DUNE experiment" A. Abud Abed *et al.* Phys. Rev. **D 105** 7 (2022)
3. "Long-baseline neutrino oscillation physics potential of the DUNE experiment" B. Abi *et al*, Eur. Phys. J. **C 80** 10, 978 (2020)
4. "Design, construction and operation of the ProtoDUNE-SP Liquid Argon TPC" B. Abi *et al*, JINST **17** 01 (2022)
5. "First results on ProtoDUNE-SP liquid argon time projection chamber performance from a beam test at the CERN Neutrino Platform", B. Abi *et al*, Journal of Instrumentation, **15**, 12 (2020)

T2K

6. "First T2K measurement of transverse kinematic imbalance in the muon-neutrino charged-current single-π^+ production channel containing at least one proton", K. Abe *et al*, Phys. Rev. **D 103** 11, 112009 (2021)
7. "Improved constraints on neutrino mixing from the T2K experiment with 3.13×10^{21} protons on target" Phys. Rev. **D 103** 11, 112008 (2021)

MINERνA

8. "High-Statistics Measurement of Antineutrino Quasielastic-like scattering at E 6 GeV on a Hydrocarbon Target, A. Bashyal **et al.**, submitted for publication, [hep-ex]:2211.10402
9. "Improved constraint on the MINERvA medium energy neutrino flux using $\bar{\nu}_e \to \bar{\nu}_e$ data L. Zazueta *et al.*, Phys. Rev. **D 107** 1, 012001 (2023)
10. "Simultaneous measurement of ν_μ quasielastic-like cross sections on CH, C, water, Fe, and Pb as a function of muon kinematics at MINERvA J. Kleykamp *et al.*, submitted for publication, [hep-ex]:2301.02272
11. "Neutrino-induced coherent π^+ production in C, CH, Fe and Pb at $\langle E_\nu \rangle \sim 6GeV$ Submitted for publication, [hep-ex]:2210:01285
12. "Simultaneous measurement of $_\mu$ charged-current single π^+ production in CH, C, H_2O, Fe, and Pb targets in MINERvA A. Bercellie *et al.*, submitted for publication, [hep-ex]:2209.07852
13. "Measurement of the axial vector form factor from antineutrino-proton scattering T. Cai, M.L. Moore, A. Olivier *et al.*, Nature, 614, 48-53 (2023)
14. "Simultaneous measurement of proton and lepton kinematics in quasielastic-like - hydrocarbon interactions from 2 to 20 GeV, D. Ruterbories *et al*, Phys. Rev. Lett. **129** 2 (2022)
15. "Measurement of inclusive charged-current ν_μ scattering on hydrocarbon at $\langle E_\nu \rangle \sim 6\ GeV$ with low three-momentum transfer, M. V. Ascencio *et al*, Phys.Rev. **D 106** 3 (2022)
16. "Vertex finding in neutrino-nucleus interaction: A Model Architecture Comparison, F. Akbar *et al*, arXiv 2201.02523, submitted for publication
17. "Exploring neutrinonucleus interactions in the GeV regime using MINERvA, X.-G. Lu *et al*, Eur. Phys. J. Spec. Top. (2021)
18. "Constraining the NuMI neutrino flux using inverse muon decay reactions in MINERvA, D. Ruterbories *et al*, Phys. Rev. **D 104** 092010 (2021)

19. "Measurement of inclusive charged-current ν_μ cross sections as a function of muon kinematics at $\langle E_\nu \rangle \sim 6GeV$ on hydrocarbon", D. Ruterbories *et al*, Phys. Rev. **D 104** 092007 (2021)
20. "Use of Neutrino Scattering Events with Low Hadronic Recoil to Inform Neutrino Flux and Detector Energy Scale A. Bashyal *et al*, JINST **16** P08068 (2021)
21. "Neutral pion reconstruction using machine learning in the MINERvA experiment at $\langle E_\nu \rangle \sim 6GeV$", A. Ghosh *et al*, JINST **16** (2021) P07060
22. "Double-Differential Inclusive Charged-Current ν_μ Cross Sections on Hydrocarbon in MINERvA at $E_\nu \sim 3.5$ GeV A. Filkins *et al*, Phys. Rev. **D 101** 11, 112007 (2020)
23. "Probing Nuclear Effects with Neutrino-induced Charged-Current Neutral Pion Production, D. Coplowe *et al*, Phys. Rev. **D 102** 7, 072007 (2020)
24. "High-statistics measurement of neutrino quasielastic-like scattering at 6 GeV on a hydrocarbon target", M. Carneiro *et al*, Phys. Rev. Lett. 124, 121801 (2020)
25. "Nuclear binding energy and transverse momentum imbalance in neutrino-nucleus reaction", T. Cai *et al*, Phys. Rev. **D 101** 9, 092001 (2020)
26. "Constraint of the MINERvA Medium Energy Neutrino Flux using Neutrino-Electron Elastic Scattering" , E. Valencia *et al*, Phys.Rev. **D 100**, 9 (2019)
27. "Measurement of $\bar{\nu_\mu}$ charged-current single π^- production on hydrocarbon in the few-GeV region using MINERvA", Phys. Rev. **D 100** 052008, (2019)
28. "Tuning the GENIE Pion Production Model with MINERvA Data" , P. Stowell *et al*, Phys. Rev. **D 100** 7, 072005, (2019)
29. "Neutron measurements from anti-neutrino hydrocarbon reactions", M. Elkins *et al*, Phys. Rev. **D 100** 052002 (2019)
30. "Measurement of Quasielastic-Like Neutrino Scattering at $\langle E_\nu \rangle$ at 3.5 GeV on a Hydrocarbon Target" , D. Ruterbories *et al*, Phys. Rev. **D 99**, 012004 (2019)
31. "Reducing model bias in a deep learning classifier using domain adversarial neural networks in the MINERvA experiment", G. N. Perdue *et al*, Journal of Instrumentation, Vol. 13 (2018)
32. "Measurement of final-state correlations in neutrino muon-proton mesonless production on hydrocarbon at $\langle E_\nu \rangle = 3GeV$ ", X. Lu *et al*, Phys. Rev. Lett. **121**, 022504 (2018)
33. "Antineutrino charged Current charged-current reactions on scintillator with low momentum transfer ", R. Gran *et al*, Phys. Rev. Lett. **120**, 221805 (2018)
34. "Measurement of the muon anti-neutrino double-differential cross section for quasi-elastic scattering on hydrocarbon at $\langle E_\nu \rangle \sim 3.5\ GeV$ ", C. Patrick *et al*, Phys. Rev. **D 97**, 052002 (2018)
35. "Measurement of Total and Differential Cross Sections of Neutrino and Antineutrino Coherent Production on Carbon ", A. Mislivec *et al*, Phys. Rev. **D 97**, 032014, (2018)
36. "Measurement of ν_μ charged-current single π^0 production on hydrocarbon in the few-GeV region using MINERvA, O. Altinok *et al*,Phys. Rev. **D 96**, 072003 (2017)
37. "Direct Measurement of Nuclear Dependence of Charged Current Quasielastic-like Neutrino Interactions using MINERvA", M. Betancourt *et al*, Phys .Rev. Lett. **119**, 082001 (2017)
38. "Measurement of the antineutrino to neutrino charged-current interaction cross section ratio on carbon", L. Ren *et al*, Phys. Rev. **D 95**, 072009 (2017)
39. "Measurement of neutral-current K^+ production by neutrinos using MINERvA", C. M. Marshall *et al*, Phys. Rev. Lett. **199**, 011802 (2017)
40. "Measurements of the Inclusive Neutrino and Antineutrino Charged Current Cross Sections in MINERvA Using the Low- Flux Method", J. Devan *et al*, Phys. Rev. **D 94**, 112007 (2016)

41. "First evidence of coherent K^+ meson production in neutrino-nucleus scattering", C. M. Marshall *et al*, Phys. Rev. Lett. **117**, 061802 (2016)
42. "Measurement of K^+ production in charged-current ν_μ interactions", C. M. Marshall *et al*, Phys. Rev. D 94, 012002 (2016)
43. "Cross sections for neutrino and antineutrino induced pion production on hydrocarbon in the few-GeV region using MINERvA", Phys. Rev. **D 94**, 052005 (2016)
44. "Evidence for neutral-current diffractive neutral pion production from hydrogen in neutrino interactions on hydrocarbon", J. Wolcott *et al* Phys. Rev. Lett. **117**, 111801 (2016)
45. "Measurement of the NuMI Neutrino Flux using Neutrino-Electron Elastic Scattering", J. Park *et al*, Phys. Rev. **D 93**, 112007 (2016)
46. "Measurement of Partonic Nuclear Effects in Deep-Inelastic Neutrino Scattering using MINERvA, J. Mousseau *et al*, Phys. Rev. **D 93**, 071101 (2016)
47. "Identification of nuclear effects in neutrino-carbon interactions at low three-momentum transfer, P. Rodrigues *et al*, Phys. Rev. Lett. **116**, 071802 (2016)
48. "Measurement of electron neutrino CCQE-like cross-section in MINERvA ", J. Wolcott *et al*, Phys. Rev. Lett **116**, 081802 (2016)
49. "Charged Pion Production in Interactions on Hydrocarbon at average E of 4.0 GeV", B. Eberly *et al*, Phys.Rev. **D92**, 092008 (2015)
50. "Single neutral pion production by charged-current $\bar{\nu}_\mu$ interactions on hydrocarbon at $< E_\nu >= 3.6\ GeV$", T. Le *et al*, Phys.Lett. **B749** (2015)
51. "Measurement of Coherent Production of $\pi^\pm$ in Neutrino and Anti-Neutrino Beams on Carbon from E_ν of 1.5 to 20 GeV ", A. Higuera *et al*, Phys. Rev. Lett. **113**, (2014)
52. "Measurement of Charged Current Proton Production ν_μ Scattering on Hydrocarbon at $E_\nu \sim 4.0\ GeV$" T. Walton, *et al*, Phys Rev **D91** (2015)
53. "MINERvA searches for wisdom among neutrinos" Emily Maher, Deborah Harris, Kevin McFarland, 2014. Published in *CERN Courier* **54** (2014)
54. "MINERvA testbeam results", L. Aliaga *et al*, Nucl.Instrum.Meth. **A789** (2015).
55. "Measurement of Ratios of Muon Neutrino Charged-Current Cross Sections on C, Fe, and Pb to CH at Neutrino Energies 2-20 GeV", B. G. Tice *et al* , Phys. Rev. Lett. **112**, (2014)
56. "Measurements of $d\sigma/dQ^2$ and Final State Nucleons in Muon Neutrino Quasi-Elastic Scattering on a Hydrocarbon Target", G. A. Fiorentini, *et al*, Phys. Rev. Lett. **111** (2013)
57. "Measurement of $d\sigma/dQ^2$ in Muon Anti-Neutrino Quasi-Elastic Scattering on a Hydrocarbon Target", L. Fields *et al*, Phys. Rev. Lett. **111** (2013)
58. "Design, Calibration and Performance of the MINERvA Detector", L. Aliaga *et al*, Nucl. Inst. and Meth. **A743** (2014)
59. "Demonstration of Communication using Neutrinos", D. D. Stancil *et al.* , Mod.Phys.Lett. **A27** (2012).
60. "The MINERνA Data Acquisition System and Infrastructure ", G. N. Perdue *et al.* Nucl.Instrum.Meth. A694 (2012)
61. "Arachne - A web-based event viewer for MINERνA", N. Tagg *et al.* , Nucl.Instrum.Meth. **676** (2012)

MINOS

62. "The NuMI Neutrino Beam", P. Adamson *et al*, Nucl. Instrum. Meth. **A806** 279 (2016)
63. "Active to sterile neutrino mixing limits from neutral-current interactions in MINOS", MINOS Collaboration (P. Adamson *et al.*), Phys. Rev. Lett., **107** (2011)
64. "First direct observation of muon antineutrino disappearance", MINOS Collaboration (P. Adamson *et al*), Phys. Rev. Lett., **107** (2011)

65. "Measurement of the neutrino mass splitting and flavor mixing by MINOS" , MINOS Collaboration (P. Adamson *et al.*), Phys. Rev. Lett., **106** (2011)
66. "Measurement of the underground atmospheric muon charge ratio using the MINOS Near Detector" MINOS Collaboration (P. Adamson *et al.*) Phys. Rev. **D83** (2011)
67. "Observation in the MINOS far detector of the shadowing of cosmic rays by the sun and moon" MINOS Collaboration (P. Adamson *et al.*), Astropart.Phys. **34** (2011)
68. "A Search for Lorentz Invariance and CPT Violation with the MINOS Far Detector", MINOS Collaboration (P. Adamson *et al.*) Phys. Rev. Lett, **105** 151601 (2010)
69. "New constraints on muon-neutrino to electron-neutrino transitions in MINOS" MINOS Collaboration (P. Adamson *et al.* Phys. Rev. **D82** 051102 (2010)
70. "Search for sterile neutrino mixing in the MINOS long baseline experiment" MINOS Collaboration (P. Adamson *et al.*) Phys. Rev. **D81** 52004 (2010)
71. "Neutrino and Antineutrino Inclusive Charged-current Cross Section Measurements with the MINOS Near Detector". MINOS Collaboration (P. Adamson *et al.*) Phys. Rev. **D81** 72002 (2010)
72. "Search for muon-neutrino to electron-neutrino transitions in MINOS" MINOS Collaboration (P. Adamson *et al.*) Phys. Rev. Lett. **103** 261802 (2009)
73. "First Measurement of nu(mu) and nu(e) Events in an Off-Axis Horn-Focused Neutrino Beam". By MiniBooNE and Minos Collaboration (P. Adamson *et al.*). Phys. Rev. Lett. **102** 211801 (2009)
74. "Testing Lorentz Invariance and CPT Conservation with NuMI Neutrinos in the MINOS Near Detector" MINOS Collaboration (P. Adamson *et al.*). Phys. Rev. Lett. **101** 151601 (2008)
75. "Search for active neutrino disappearance using neutral-current interactions in the MINOS long-baseline experiment". MINOS Collaboration (P. Adamson *et al.* . Phys. Rev. Lett. **101** 221804 (2008)
76. "Measurement of Neutrino Oscillations with the MINOS Detectors in the NuMI Beam" MINOS Collaboration (P. Adamson *et al.*) Phys. Rev. Lett. **101** 131802 (2008)
77. "Measurement of neutrino velocity with the MINOS detectors and NuMI neutrino beam" By MINOS Collaboration (P. Adamson *et al.*). Phys. Rev. **D76** 072005 (2007)
78. "Measurement of the atmospheric muon charge ratio at TeV energies with MINOS" By MINOS Collaboration (P. Adamson *et al.*). Phys. Rev. **D76** 052003 (2007)
79. "Charge-separated atmospheric neutrino-induced muons in the MINOS far detector" By MINOS Collaboration (P. Adamson *et al.*). Phys. Rev. **D75** 092003 (2007).
80. "Beam-Based Alignment of the NuMI Target Station Components at FNAL" R. Zwaska et al. Nucl. Instrum. Meth.**A568** 548-560 (2006)
81. "Secondary beam monitors for the NuMI facility at FNAL" S. Kopp et al., Nucl. Instrum. Meth. **A568** 503-519 (2006)
82. "Observation of muon neutrino disappearance with the MINOS detectors and the NuMI neutrino beam" D. G. Michael *et al.* , Phys. Rev. Lett.**97** 191801 (2006)
83. "Study of neutron-induced ionization in helium and argon chamber gases" D. Indurthy (Texas U.) , A.R. Erwin (Wisconsin U., Madison) , Deborah A. Harris (Fermilab) , S.E. Kopp, M. Proga, R.M. Zwaska (Texas U.) . Nucl. Instrum. Meth. **A528** 731-740 (2004)
84. "First observations of separated atmospheric nu(mu) and anti-nu(mu) events in the MINOS detector" By MINOS Collaboration (P. Adamson et al.). FERMILAB-PUB-05-525, Dec 2005. Phys. Rev. **D73** 072002 (2006).
85. "Beam Tests of Ionization Chambers for the Numi Neutrino Beam" R.M.Zwaska *et al*, `hep-ex/0212011`, IEEE Trans. Nucl. Sci. **50** 1129-1135 (2003)
86. "The Minos Scintillator Calorimeter System", P.Adamson *et al*, IEEE Trans.Nucl.Sci.**49** 861 (2002)

87. "Measurement of the Nucleon Strange-Antistrange Asymmetry at Next-to-Leading Order in QCD from NuTeV Dimuon Data" D. Mason *et al.* FERMILAB-PUB-07-734, Nov 2007. Phys. Rev. Lett.**99** 192001 (2007)
88. "Precise measurement of neutrino and anti-neutrino differential cross sections" By NuTeV Collaboration (M. Tzanov et al.). Phys. Rev. **D74** 012008 (2006).
89. "Reply to the Comment On 'A Precise Determination Of Electroweak Parameters In Neutrino Nucleon Scattering' ", G.P. Zeller *et al*, submitted to Phys. Rev. Lett. `hep-ex/0207052`
90. "Search for Light-To-Heavy Quark Flavor Changing Neutral Currents In ν_μ N and $\bar{\nu}_\mu N$ Scattering", A. Alton *et al*, Int.J.Mod.Phys.**A16S1B** 489 (2001)
91. "On the Effect of Asymmetric Strange Seas and Isospin Violating Parton Distribution Functions on $\sin^2\theta_W$ Measured in the NuTeV Experiment", G.P.Zeller *et al*, Phys. Rev. bf D65 111103 (2002)
92. "A Precise Determination Of Electroweak Parameters In Neutrino Nucleon Scattering " G.P.Zeller *et al*, Phys. Rev. Lett.**88** 091802 (2002)
93. "Extraction Of $R = \sigma(L)/\sigma(T)$ from CCFR Fe-ν_μ and Fe-$\bar{\nu}_\mu$ Differential Cross-Sections", U.K.Yang *et al*, Phys. Rev. Lett.**87** 251802 (2001)
94. "Observation of an Anomalous Number of Dimuon Events in a High-Energy Neutrino Beam", T. Adams *et al*, Phys. Rev. Lett. **87** 041801 (2001)
95. "Search for the Lepton Number Violating Process $\bar{\nu}_\mu e^- \to \mu^- \bar{\nu}_e$", J.A.Formaggio *et al*, Phys. Rev. Lett. **87** 071803 (2001)
96. "Precise Measurement of Dimuon Production Cross-Sections in ν_μ Fe and $\bar{\nu}_\mu$ Fe Deep Inelastic Scattering at the Tevatron" M.Goncharov *et al*, Phys. Rev. **D64** 112006 (2001)
97. "A First Measurement of Low x Low Q^2 Structure Functions in Neutrino Scattering" B.T. Fleming *et al*, Phys. Rev. Lett. **86** 5430 (2001)
98. "Measurements of F_2 and $xF_3^\nu - xF_3^{\bar{\nu}}$ from CCFR ν_μ Fe and $\bar{\nu}_\mu$ Fe Data in a Physics Model Independent Way" U.K. Yang *et al*, Phys. Rev. Lett. **86** 2742 (2001)
99. "Observation of Neutral Current Charm Production in ν_μ Fe Scattering at the Tevatron" A. Alton *et al*, Phys. Rev. **D64** 012001 (2001)
100. "Search for a $33.9 MeV/c^2$ Neutral Particle in Pion Decay", J.A.Formaggio *et al.*, Phys. Rev. Lett. **84** 4043 (2000).
101. "Low Q^2 Low x Structure Function Analysis of CCFR Data for F_2", B. Tamminga *et al.*, Nucl. Phys. **A663** 344 (2000).
102. "Precision Calibration of the NuTeV Calorimeter", D. A. Harris, J.Yu *et al.*, Nucl. Instrum. Meth. **A447** 377 (2000).
103. "Evidence for Diffractive Charm Production in ν_μ Fe and $\bar{\nu}_\mu$ Fe Scattering at the Tevatron", Phys. Rev. **D61** 092001 (2000).
104. "Investigating Nucleon Structure at the Tevatron", D. A. Harris, Nucl. Phys. **A666** 149 (2000).
105. "Search for Neutral Heavy Leptons in a High Energy Neutrino Beam", A. Vaitaitis *et al.*, Phys. Rove. Lett. **83** 4943 (1999).
106. "Performance of the NuteV Fe-Scintillator Sampling Calorimeter and Implications for Thin Calorimeters" S. Avvakumov *et al.*, Nucl.Phys.Proc.Suppl.**78** 232 (1999).
107. "A Measurement of $\alpha_s(Q^2)$ from the Gross-Llewellyn Smith Sum Rule" J.H.Kim, D. A. Harris *et al.*, Phys. Rev. Lett. **81** 3595 (1998).
108. "A High Statistics Search for $\nu_e\overline{\nu_e} \to \nu_\tau\overline{\nu_\tau}$ Oscillations", submitted to JINR Rapid Communications `hep-ex/9809023` (1998).
109. "Measurements of R_{Long} and $|V_{cs}|$ from the CCFR Experiment", C. McNulty *et al.*, to be submitted to Phys. Rev. Lett.
110. "Improved Determination of α_S from Neutrino-Nucleon Scattering", W.G. Seligman *et al.*, Phys. Rev. Lett. **79**, 1213 (1997).

111. "A Precision Measurement of Electroweak Parameters in Neutrino - Nucleon Scattering" By K.S.McFarland *et al.*, Eur.Phys.J.C1:509-513,1998

112. "Tests of a Calorimetric Technique for Measuring the Energy of Cosmic Ray Muons in the TeV Energy Range", A.P. Chikkatur *et al.*, Z. Phys. **C74**,279 (1997).

113. "A High Statistics Search for $\nu_\mu(\overline{\nu}_\mu) \to \nu_e(\overline{\nu}_e)$ Oscillations in the Small Mixing Angle Regime", A. Romosan *et al.*, Phys. Rev. Lett. **78**, 2912 (1997).

114. "A Measurement of $R = \sigma_L/\sigma_T$ in Deep Inelastic Neutrino-Nucleon Scattering at the Tevatron", U.K. Yang *et al.*, J. Phys. **G22**,775, (1996).

115. "Limits on $\nu_\mu \to \nu_\tau$ and $\nu_\mu \to \nu_e$ Oscillations From a Precision Measurement of νN Neutral-Current Interactions", K.S. McFarland , D. Naples, *et al.*, Phys. Rev. Lett. **75**, 3993 (1995).

FNAL-E773/E799

116. "Search for the Lepton-Family Number Violating Decays $K_L \to \pi^0\mu^\mp e^\pm$", K.Arisaka, *et al.*, Phys. Lett. **B432**, 230 (1998).

117. "First Evidence for the Decay $K_L \to e^+e^-\mu^+\mu^-$", P. Gu *et al.*, Phys. Rev. Lett. **76**, 4312 (1996).

118. "A New Measurement of the CP-violating Parameter $\eta_{+-\gamma}$", J.N. Matthews *et al.*, Phys. Rev. Lett. **75**, 2803 (1995)

119. "CPT Tests in the Neutral Kaon System", B. Schwingenheuer, R.A. Briere *et al.*, Phys. Rev. Lett. **74**, 4376 (1995).

120. "A Measurement of the Branching Ratio and Form-Factor of $K_L \to \mu^+\mu^-\gamma$" M.B. Spencer *et al.*, Phys. Rev. Lett. **74**, 3323 (1995).

121. "A Measurement of the Branching Ratio of $K_L \to e^+e^-\gamma\gamma$", T. Nakaya *et al.*, Phys. Rev. Lett. **73**, 2169 (1994).

122. "Search for the Decay $K_L \to \pi^0\pi^0\gamma$", D. Roberts *et al.*, Phys. Rev. **D50**, 1874 (1994).

123. "A Limit on the Branching Ratio of $K_L \to \pi^0\nu\overline{\nu}$", M. Weaver *et al.*, Phys. Rev. Lett. **72**, 3758 (1994).

124. "A Measurement of the Branching Ratio and a Study of CP for the Leptonic Decay $K_L \to e^+e^-e^+e^-$", P. Gu *et al.*, Phys. Rev. Lett. **72**, 3000 (1994).

125. "A Limit on the Lepton-Family Number Violating Process $\pi^0 \to \mu e$", P. Krolak *et al.*, Phys. Lett. **B320**, 407 (1994).

126. "Polarization of Lambda and Anti-Lambda Produced by 800-GeV Protons", E.J. Ramberg *et al.*, Phys. Lett. **B338**, 403 (1994).

127. "A Limit on the Branching Ratio of $K_L \to \pi^0\mu^+\mu^-$", D. A. Harris *et al.*, Phys. Rev. Lett. **71**, 3914 (1993).

128. "A Limit on the Branching Ratio of $K_L \to \pi^0e^+e^-$", D. A. Harris *et al.*, Phys. Rev. Lett. **71**, 3918 (1993).

129. "A Measurement of the Branching Ratio of $\pi^0 \to e^+e^-$ Using Decays in Flight of $K_L \to \pi^0\pi^0\pi^0$", K.S. McFarland *et al.*, Phys. Rev. Lett. **71**, 31 (1993).

Future Projects

130. "CAPTAIN-MINERA: Neutrino-Argon Scattering in a Medium-Energy Neutrino Beam", By the CAPTAIN MINERvA Collaboration (S. Fernandes *et al*,) FERMILAB-PROPOSAL-1061, June 2015, Submitted to the Fermilab PAC.

131. "Neutrino scattering uncertainties and their role in long baseline oscillation experiments" By MINERvA Collaboration (Deborah A. Harris et al.). FERMILAB-PUB-04-252-E, JLAB-PHY-04-52, October 2004. e-Print: `hep-ex/0410005`

132. "Proposal to Perform a High-Statistics Neutrino Scattering Experiment Using a Fine-grained Detector in the NuMI Beam" (MINERvA Proposal) December 2003 submitted to the Fermilab PAC

133. "Letter of Intent to Build an Off-Axis Detector to Study $\nu_\mu \to \nu_e$ Oscillations with the Numi Neutrino Beam", `hep-ex/0210005`

134. "NOvA: Proposal to build a 30 kiloton off-axis detector to study $\nu_\mu \to \nu_e$ oscillations in the NuMI beamline" By NOvA Collaboration (D.S. Ayres et al.). FERMILAB-PROPOSAL-0929, Mar 2004. : hep-ex/0503053
135. "The NOvA Technical Design Report" By NOvA Collaboration (D.S. Ayres et al.). FERMILAB-DESIGN-2007-01, Oct 8, 2007.
136. "Detector R& D For Future Neutrino Experiments with the Numi Beamline", report to Fermilab Directorate from the Study Group on Future Neutrino Experiments at Fermilab `hep-ex/0304017`
137. "Coherent neutrino-nucleus scattering and the MINERvA experiment" H. Gallagher (Tufts U.) , Deborah Harris (Fermilab) . FERMILAB-CONF-07-735-E, 2007. AIP Conf.Proc.967:158-161,2007
138. "Fermilab Steering Group Report" By The Fermilab Steering Group (Eugene Beier et al.). FERMILAB-PUB-07-672-DO, Dec 2007.
139. "Proposal for continuously-variable neutrino beam energy for the NuMI facility" Mikhail Kostin, Sacha Kopp (Texas U.) , Mark Messier (Harvard U.) , Deborah A. Harris, Jim Hylen, Adam Para (Fermilab) . FERMILAB-TM-2353-AD, Jul 2006.
140. "Physics Potential At Fnal With Stronger Proton Sources", G.Barenboim *et al*, `hep-ex/0206025`, FERMILAB-FN-0720 June 2002
141. "Snowmass E1 working group summary: Neutrino factories and muon colliders," T. Adams *et al.*,`hep-ph/0111030`, to appear in the proceedings of the Snowmass Conference on Future Directions in High Energy Physics, July 2001.
142. "Oscillation measurements with upgraded conventional neutrino beams," V. D. Barger *et al.*, `hep-ph/0103052`.
143. I. I. Bigi *et al.*, "The potential for neutrino physics at muon colliders and dedicated high current muon storage rings," Phys. Rep. **371** 151 (2002).
144. "A Feasibility Study of a Neutrino Source based on a Muon Storage Ring," T. Anderson *et al.*, FERMILAB-PUB-00-108-E, Jun 2000.
145. "Physics at a Neutrino Factory," C. Albright *et al.*, FERMILAB-FN-692, `hep-ex/0008064`, May 2000.
146. "NuTeV Beam Design Report", R. Bernstein *et al.*, Fermilab-TM-1884 (April 1994).

Conference and Summer School Proceedings

1. "Future Neutrino Facilities", Deborah A. Harris, `arXiv:1907.02840`, July 2019, Proceedings of Flavor Physics and CP Violation, May 2019, Victoria, Canada (2019)
2. "The State of the Art of Neutrino Cross Section Measurements", Deborah A. Harris, FERMILAB-CONF-15-254-ND, June 2015, Proceedings of the Prospects in Neutrino Physics Conference, 15 – 17 December, 2014, held at Queen Mary University of London, UK. (2014)
3. "Neutrino Physics at DPF 2013", Deborah A. Harris, FERMILAB-CONF-13-471-E, October 2013, Proceedings of the DPF 2013 Meeting of the American Physical Society Division of Particles and Fields, Santa Cruz, California, August 13-17, (2013)
4. "Preliminary Results from the MINERvA Experiment", Deborah A. Harris, FERMILAB-CONF-11-584-E , Proceedings of The 2011 Europhysics Conference on High Energy Physics-HEP2011. (2011)
5. "The MINERνA Experiment", Deborah A. Harris and Sacha Kopp, FERMILAB-CONF-11-069-PPD, February 2011, Submitted to NuFact10 Conference Proceedings. (2011)
6. "Conventional Neutrino Beam Experiments: Present and Future Generations", Deborah A. Harris, FERMILAB-CONF-10-529-PPD, December 2010, NuFact10 Conference Proceedings.(2010)

7. "Neutrino Interactions: results by Neutrino 2012 and Beyond", Deborah A. Harris, FERMILAB-CONF-10-489-E, December 2010, Neutrino 2010 Conference Proceedings (2010)
8. "Long Baseline Neutrino Occillation Phenomenology", Deborah A. Harris, FERMILAB-CONF-09-680-E, March 2010, 6pp. Proceedings of the 11th International Workshop on Neutrino Factories, Superbeams and Betabeams: NuFact09, Chicago, July 20-25, 2009. AIP Conf.Proc.**1222** 20 (2010).
9. "Project X and its connection to neutrino physics" Deborah Harris and Andreas Jansson, (Fermilab) . FERMILAB-CONF-08-503-APC-PPD, Oct 2008. 8pp. Proceedings of the 10th International Workshop on Neutrino Factories, Superbeams and Betabeams: Nufact08, Valencia, Spain, 30 June - 5 July 2008. Published in PoS NUFACT08:012,2008. (2008)
10. "Neutrino physics" Deborah A. Harris, (Fermilab) . FERMILAB-CONF-08-328-E, Sep 2008. 11pp. Proceedings of the 16th International Workshop on Deep Inelastic Scattering and Related Subjects (DIS 2008), London, England, 7-11 Apr 2008. Published in *London 2008, Deep inelastic scattering* (2008)
11. "Accelerator-based neutrino oscillation experiments" Deborah A. Harris, (Fermilab) . FERMILAB-CONF-07-638-E, 2007. 34pp. Submitted as lecture writeup for three lectures given at the 61st Scottish Universities Summer School in Physics, St. Andrews, Scotland, 8- 23 August 2006. (2007)
12. "Systematic errors in long baseline oscillation experiments" Deborah A. Harris (Fermilab) . FERMILAB-CONF-06-025-E, Feb 2006. 6pp. Proceedings of the 4th International Workshop on Neutrino-Nucleus Interactions in the Few-GeV Region (NuInt05), Okayama, Japan, 26-29 Sep 2005. Nucl. Phys. Proc. Suppl.**159** 9-14 (2006)
13. "The MINOS and NOvA Experiments" By MINOS and NOvA Collaborations (Deborah A. Harris for the collaboration). 2005. 4pp. Proceedings of the 6th International Workshop on Neutrino Factories and Superbeams (NuFact 04), Osaka, Japan, 26 Jul - 1 Aug 2004. Published in Nucl.Phys.Proc.Suppl.**149**, (2005)
14. "Superbeam experiments" Deborah A. Harris (Fermilab) . 2005. 5pp. Proceedings of the 6th International Workshop on Neutrino Factories and Superbeams (NuFact 04), Osaka, Japan, 26 Jul - 1 Aug 2004. Published in Nucl.Phys.Proc.Suppl.**149**, (2005)
15. "Oscillation measurements with calorimeters: Why does NuINT matter?" Deborah A. Harris (Fermilab) . 2005. 6pp. Proceedings of the 3rd International Workshop on Neutrino Nucleus Interactions in the Few GeV Region (NuInt04), Gran Sasso, Assergi, Italy, (2004). Published in Nucl.Phys.Proc.Suppl.139,2005.
16. "Future Experiments with Neutrino Superbeams, Betabeams, and Factories", Proceedings of Lepton-Photon 2003, Batavia, FERMILAB-CONF-03-328 (2003)
17. "Prospects for Next Generation Long Baseline Oscillation Experiments", Proceedings of the 10th International Workshop on: "Neutrino Telescopes", Venice, (2003)
18. "Systematic uncertainties in Δm^2 from neutrino physics, using calorimetric E_ν reconstruction", Proceedings of NuINT02, Irvine, (2002), FERMILAB-CONF-03-216
19. "Beam tests of ionization chambers for the NuMI neutrino beam" R.M.Zwaska *et al*, IEEE Trans. Nucl. Sci. **50** 1129, (2003).
20. "Prospects for Conventional Long-Baseline Oscillation Experiments and Comparison with a Neutrino Factory" Proceedings of the Neutrinos and Implications for Physics Beyond the Standard Model conference, Stony Brook, (2002)
21. "Oscillation Measurements from Accelerators: A Global Status Report" Proceedings of the Third Tropical Workshop on Particle Physics and Cosmology: Neutrinos, Branes and Cosmology, San Juan, (2002)
22. "Summary of Working Group 2", B.Autin, D. A. Harris, S. F. King, K. S. McFarland, O. Yasuda `hep=ph/0302218`, Proceedings of the 4th NuFact'02 Workshop (Neutrino Factories based on Muon Storage Rings) London, England, (2002)

23. "NuFact02 Machine Working Group Summary" B. Autin, R. C. Fernow, S. Machida, D. A. Harris, Proceedings of the 4th NuFact'02 Workshop (Neutrino Factories based on Muon Storage Rings) London, England, (2002)
24. "E1 Working Group Summary: Neutrino Factories and Muon Colliders" T.Adams *et al*, Prepared for APS / DPF / DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass, Colorado, July 2001. Published in eConf **C010630:E** 1001 (2001)
25. "Flavor Decomposition Of Nucleon Structure At A Neutrino Factory" R.D.Ball, D. A. Harris, K. S. McFarland, `hep-ph/0009223`, Proceedings of NuFACT'00: International Workshop on Muon Storage Ring for a Neutrino Factory, Monterey, California, May (2000)
26. "Detector Construction Considerations from the Lyon Meeting", D. A. Harris, Proceedings of the 5th International Conference On Physics Potential And Development of Muon Colliders, San Francisco, CA (1999)
27. "Summary of Detector and Beam Parameters Working Group from Lyon", D. A. Harris, Proceedings of International Workshop On Next Generation Nucleon Decay And Neutrino Detector, Stony Brook, NY, (1999)
28. "Neutrino Oscillations at NuTeV", D. A. Harris *et al.*, Proceedings of the International Europhysics Conference On High-Energy Physics, Tampere, Finland, (1999)
29. "Neutrino Oscillation Appearance Experiment using Nuclear Emulsion and Magnetized Iron", D. A. Harris and A. Para, Nucl.Instrum.Meth.**A451** 173 (2000)
30. "Neutrino Oscillations at NuTeV", D. A. Harris *et al*, Proceedings of the American Physical Society Meeting of the Division of Particles and Fields, Los Angeles, (1999)
31. "NuTeV through thick and thin", D. A. Harris *et al*, UR-1560, Proceedings of the 1998 Workshop on Balloon-Borne and Space-Based Calorimetry, Lubbock, Texas (1998)
32. "α_s from Deep Inelastic Scattering Experiments" D. A. Harris, Proceedings of 33rd Rencontres de Moriond: Electroweak Interactions and Unified Theories, France, (1998)
33. "A Small Target Neutrino Deep Inelastic Scattering Experiment at The First Muon Collider" By D. A. Harris and K. S. McFarland, UR-1516 ER/4056/911, Proceedings from the Workshop on Physics at the First Muon Collider and at the Front End of the Muon Collider, Batavia, IL, (1997)
34. "Detectors for Neutrino Physics at the First Muon Collider" By D. A. Harris and K. S. McFarland, UR-1515 ER/4056/910, Proceedings from the Workshop on Physics at the First Muon Collider and at the Front End of the Muon Collider, Batavia, IL, (1997)
35. "'Testing QCD at CCFR: Three Structure Functions at Once", D. A. Harris *et al.*, ICHEP 96 Proceedings, Warsaw, August (1996)
36. "'A CCFR Measurement of R_ν" , D. A. Harris *et al.* Proceedings of the EPS HEP '95 Conference, Brussels, October (1995)
37. "'A Measurement of $\alpha_s(Q^2)$ from the Gross-Llewellyn Smith Sum Rule", J.H. Kim, D. A. Harris *et al.*, Proceedings of the EPS HEP '95 Conference, Brussels, October (1995)
38. "'A Measurement of $\alpha_s(Q^2)$ from the Gross-Llewellyn Smith Sum Rule", D. A. Harris *et al.*, Proceedings of the XXX Rencontres de Moriond, Les Arcs, France, March (1995)
39. "'A Search for the Decays $K_L \to \pi^0 \ell^+ \ell^-$", D. A. Harris, Proceedings of the EPS HEP '93 Conference, Marseilles, October (1993)