

Publications

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Scientific Publications in Refereed Journals:

- “The Neutrino Flux prediction at MiniBooNE,” The MiniBooNE Collaboration (A. A. Aguilar-Arevalo, *et al.*), hep/ex:0806.1449 [hep-ex], submitted to Phys. Rev. D, 2008.
- “Compatibility of High- Δm^2 ν_e and $\bar{\nu}_e$ Neutrino Oscillation Searches,” The MiniBooNE Collaboration (A.A. Aguilar-Arevalo, *et al.*), arXiv:0805.1764, Phys. Rev. D78:012007, 2008.
- “First Observation of Coherent π^0 Production in Neutrino Nucleus Interactions with $E_\nu < 2$ GeV,” The MiniBooNE Collaboration, (A.A. Aguilar-Arevalo, *et al.*), hep-ex/0803.3423, Phys. Lett. B **664**, 41, 2008.
- “Terascale Physics Opportunities at a High Statistics, High Energy Neutrino Scattering Experiment: NuSONG,” (T. Adams *et al.*), hep-ph/0803.0354, Submitted to Phys. Rev. D, 2008.
- “Measurement of Muon Neutrino Quasielastic Scattering on Carbon,” The MiniBooNE Collaboration, (A.A. Aguilar-Arevalo, *et al.*), hep-ex/0706.0926, 2007, Phys. Rev. Lett.100:032301, 2008.
- “Measurement of the strange - antistrange asymmetry at NLO in QCD from NuTeV dimuon data,” The NuTeV Collaboration (D.A. Mason, *et al.*) Phys. Rev. Lett. 99:192001 (2007).
- “A Search for Electron Neutrino Appearance at the $\Delta m^2 \sim 1$ eV² Scale,” The MiniBooNE Collaboration, (A.A. Aguilar-Arevalo, *et al.*), hep-ex/0704.1500, 2007, Phys. Rev. Lett. 98:231801, 2007.
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- “Precision Measurement of $\sin^2 \theta_W$ at a Reactor,” J. M. Conrad, J. M. Link and M. H. Shaevitz, Phys. Rev. D71:073013, 2005.
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- “A Search for $\nu_\mu \rightarrow \nu_e$ and $\bar{\nu}_\mu \rightarrow \bar{\nu}_e$ Oscillations at NuTeV,” The NuTeV Collaboration, (S. Avvakumov, *et al.*), Phys. Rev. Lett. 89:011804, 2002.
- “On the Effect of Asymmetric Strange Seas and Isospin Violating Parton Distribution Functions on $\sin^2 \theta_W$ Measured in the NuTeV Experiment,” The NuTeV Collaboration (G.P. Zeller, *et al.*), Phys. Rev. D65:111103, 2002.
- “Supernova Neutrinos and LSND,” M. Sorel and J. Conrad, Phys. Rev. D66:033009, 2002.
- “A Precise Determination of Electroweak Parameters in Neutrino Nucleon Scattering,” The NuTeV Collaboration, (G.P. Zeller, *et al.*), Phys. Rev. Lett. 88:091802, 2002.
- “Observation of an Anomalous Number of Dimuon Events in a High-Energy Neutrino Beam,” The NuTeV Collaboration (T. Adams, *et al.*), Phys. Rev. Lett. 87:041801, 2001
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- “Photomultiplier Tubes in the MiniBooNE Experiment,” S. Brice, *et al.*, Nuclear Instr. and Meth., 562:1, 97, 2006.
- “Accelerator/Experiment Operations – FY 2004 Through FY 2005,” C. Bromberg, *et al.*, FERMILAB-TM-2288, Dec 2005.
- “Accelerator/Experiment Operations – FY 2001 Through FY 2003,” J. Conrad, *et al.*, FERMILAB-TM-2230, Feb 2004.
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**Proposals, Proceedings, Preprints & Theses
(Selected Unrefereed Publications)**

- “Physics at a future Neutrino Factory and Super-beam Facility,” The ISS Physics Working Group, (A. Bandyopadhyay, *et al.*), arXiv:0710.4947 [hep-ph], 2007.
- “Constraining Muon Internal Bremsstrahlung as a Contribution to the MiniBooNE Low Energy Excess,” The MiniBooNE Collaboration, (A.A. Aguilar-Arevalo, *et al.*), hep-ex/0710.3897, 2007.
- “Neutrino Scattering On Glass: NuSONG,” J.M. Conrad, to be published in the proceedings of NuFact07, arXiv:0711.0548, 2007.
- “Expression of Interest for Neutrino Scattering on Glass: NuSONG,” T. Adams, *et al.*, available from Fermilab Program Planning or at <http://www-nusong.fnal.gov>, 2007.
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