Publications

Janet M. Conrad

Particle Physics Publications in Refereed Journals:


• “Measurement of the $\nu_\mu$ charged current $\pi^+$ to quasi-elastic cross section ratio on mineral oil in a 0.8 GeV neutrino beam.”


• “Measurement of Muon Neutrino Quasielastic Scattering on Carbon,”
The MiniBooNE Collaboration, (A.A. Aguilar-Arevalo, et al.),

• “Measurement of the strange - antistrange asymmetry at NLO in
QCD from NuTeV dimuon data,” The NuTeV Collaboration (D.A.

• “A Search for Electron Neutrino Appearance at the $\Delta m^2 \sim 1$ eV$^2$
Scale,” The MiniBooNE Collaboration, (A.A. Aguilar-Arevalo, et al.),

• “ Leptonic CP Violation Studies at MiniBooNE in the (3+2) Sterile
Neutrino Oscillation Hypothesis”, G. Karagiorgi, A. Aguilar-Arevalo,
J.M. Conrad, M. H. Shaevitz, K. Whisnant, M. Sorel, V. Barger,

• “ Precise Measurements of Neutrino and Antineutrino Differential
Cross Sections”, The NuTeV Collaboration, (M. Tzanov, et al.)

• “ Can a 3+2 Oscillation Model Explain the NuTeV Electroweak

• “Precision Measurement of $\sin^2 \theta_W$ at a Reactor,” J. M. Conrad, J.

• “A Combined Analysis of Short Baseline Neutrino Experiments in the
(3+1) and (3+2) Sterile Neutrino Oscillation Hypotheses,” M. Sorel,

• “A Search for $\nu_\mu \to \nu_e$ and $\bar{\nu}_\mu \to \bar{\nu}_e$ Oscillations at NuTeV,” The

• “On the Effect of Asymmetric Strange Seas and Isospin Violating
Parton Distribution Functions on $\sin^2 \theta_W$ Measured in the NuTeV


• Measurements of $F_2$ and $xF_3^\nu - xF_3^\bar{\nu}$ From CCFR $\nu_\mu$-Fe and $\nu_\mu$-FE Data in a Physics Model Independent Way,” The CCFR/NuTeV Collaboration (U.K. Yang, et al.) Phys. Rev. Lett. 86:2742, 2001


Accelerator and Detector Physics and Technology,
Refereed Publications:


Selected Unrefereed Publications, Proposals, Design Reports, Lecture Notes, Theses, Etc.:


• “A Proposal for an Experiment to Measure $\nu_\mu \rightarrow \nu_e$ Oscillations and $\nu_\mu$ Disappearance at the Fermilab Booster (BooNE),” the BooNE Collaboration (E. Church et al., J. Conrad and W. Louis, spokespersons), FNAL Office of Program Planning P898, Dec 1997.

• “A Letter of Intent for an Experiment to Measure $\nu_\mu \rightarrow \nu_e$ Oscillations and $\nu_\mu$ Disappearance at the Fermilab Booster (BooNE),” the BooNE Collaboration (E. Church et al., J. Conrad and W. Louis, spokespersons), FNAL Office of Program Planning LOI 898, June 1997, e-Print Archive: nucl-ex/9706011


