

Publications

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Scientific Publications:

- “Atmospheric Tau Neutrinos in a Multi-kiloton Liquid Argon Detector,” J. Conrad, A. de Gouvea, S. Shalgar, J. Spitz, arXiv:1008.2984. Submitted to Phys. Rev. D., 2010.
- “Measurement of the Neutrino Neutral-Current Elastic Differential Cross Section,” The MiniBooNE Collaboration (A.A. Aguilar-Arevalo, et al.), arXiv:1007.4730, submitted to Phys. Rev. D, 2010.
- “Event Excess in the MiniBooNE Search for $\bar{\nu}u_\mu$ to $\bar{\nu}u_e$ Oscillations,” The MiniBooNE Collaboration, (A.A. Aguilar-Arevalo, et al.), arXiv:1007.1150 [hep-ex], accepted to Phys. Rev. Letters.
- “Improved measurement of neutral current coherent neutral pion production on carbon in a few-GeV neutrino beam,” SciBooNE Collaboration (Y. Kurimoto, et al.), arXiv:1005.0059 [hep-ex], Phys. Rev. D 81:111102, 2010.
- “First Measurement of the Muon Neutrino Charged Current Quasielastic Double Differential Cross Section,” MiniBooNE Collaboration (A.A. Aguilar-Arevalo, et al), arXiv:1002.2680 [hep-ex], Phys. Rev. D 81:092005, 2010.
- “Multiple Cyclotron Method to Search for CP Violation in the Neutrino Sector,” J.M. Conrad and M.H. Shaevitz, arXiv:0912.4079 [hep-ex], Phys.Rev.Lett.104:141802, 2010.
- “Measurement of ν_μ and $\bar{\nu}_\mu$ induced neutral current single π^0 production cross sections on mineral oil at $E_\nu \sim O(1\text{GeV})$,” The MiniBooNE Collaboration (A.A. Aguilar-Arevalo, et al.), arXiv:0911.2063 [hep-ex], Phys. Rev. D 81:013005, 2010.
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- ‘‘QCD Precision Measurements and Structure Function Extraction at a High Statistics, High Energy Neutrino Scattering Experiment: NuSOnG,’’ T. Adams, *et al.* arXiv:0906.3563 [hep-ex], Int. Jour. Mod. Phys. A. 25: 909, 2010.
- ‘‘Viability of $\Delta m^2 \sim 1 \text{ eV}^2$ sterile neutrino mixing models in light of MiniBooNE electron neutrino and antineutrino data from the Booster and NuMI beamlines,’’ G. Karagiorgi, Z. Djurcic, J.M. Conrad, M.H. Shaevitz, and M. Sorel, arXiv:0906.1997v1 [hep-ph], Phys .Rev. D80:073001, 2009.
- ‘‘Renaissance of the $\sim 1 \text{ TeV}$ Fixed-Target Program,’’ T. Adams *et al.*, arXiv:0905.3004, Int. Jour. Mod. Phys. A. 25: 777, 2010.
- ‘‘Measurement of the ν_μ charged current π^+ to quasi-elastic cross section ratio on mineral oil in a 0.8 GeV neutrino beam.’’ The MiniBooNE Collaboration (A.A. Aguilar-Arevalo, *et al.*), arXiv:0904.3159, Phys.Rev.Lett. 103:081801, 2009.
- ‘‘ A Search for Electron Antineutrino Appearance at the $\Delta m^2 \sim 1 \text{ eV}^2$ Scale,’’ The MiniBooNE Collaboration (A.A. Aguilar-Arevalo, *et al.*), arXiv:0904.1958, Phys. Rev. Lett. 103:111801, 2009.
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