Contribution ID: **268** Type: **Parallel**

Measurements of Neutrino-Nucleus Scattering from 0.1–10 GeV

Thursday, 31 May 2018 16:40 (30 minutes)

Neutrino interactions and nuclear modeling are among the largest systematic uncertainties in neutrino oscillation experiments, which must infer the true neutrino energy from scattering products on heavy targets such as carbon, oxygen, or argon. Recent data from MiniBooNE, T2K, and MINERvA indicate shortcomings in current theoretical models of neutrino cross sections on nuclei. I will present an overview of measurements of neutrino scattering in the range of 0.1 to 10 GeV, and discuss prospects for the future.

E-mail

marshall@lbl.gov

Primary author: MARSHALL, Christopher

Presenter: MARSHALL, Christopher

Session Classification: Neutrino Masses and Neutrino Mixing

Track Classification: NMNM