Contribution ID: **14** Type: **not specified**

Muon Neutrino Charged Current Quasi-Elastic Scattering in MINERvA

Tuesday, 11 June 2013 16:24 (20 minutes)

MINERvA is a few-GeV neutrino-nucleus scattering experiment, stationed in the high intensity NuMI beam line at Fermilab. It has been taking data since November 2009 and completed construction in March 2010. MINERvA aims to make precision cross section measurements of both the electron neutrino and muon neutrino interactions, both in support of neutrino oscillation experiments and as a pure weak probe of the nuclear medium. This presentation will focus on the preliminary results for charged current quasi-elastic scattering on the active scintillator target and the passive nuclear targets, carbon, iron, and lead.

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Session Classification: Session 6