

6th International Workshop on Neutrino-Nucleus Interactions in the Few-GeV Region (NUINT 09)

Contribution ID: 117

Type: **Talk**

Minos total cross-section

Thursday, May 21, 2009 3:50 PM (25 minutes)

I will describe measurements of the muon neutrino and anti-neutrino inclusive charged current cross-sections for neutrino energies spanning 3-50GeV. The data were collected with the MINOS near detector, a magnetized steel/scintillator tracking/sampling calorimeter exposed to the NuMI neutrino beam at Fermilab. I will describe selection of a sample of inclusive CC scattering events, estimation of the neutrino flux, treatment of systematic errors, and show our preliminary results.

Primary author: Prof. KORDOSKY, Michael (William and Mary)

Presenter: Prof. KORDOSKY, Michael (William and Mary)

Session Classification: Shallow to deep inelastic scattering II

Track Classification: Shallow to deep inelastic scattering