

Abstract Submitted  
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**Unexpected Nuclear Effects in  $\nu$ -Fe Interactions and MINERvA's Program to Measure Neutrino Scattering off a Range of Nuclei** JORGE G. MORFIN, Fermilab — Recent studies of nuclear effects in  $\nu$ -Fe data by members of the CTEQ collaboration suggest that nuclear effects as seen by neutrinos are very different compared to those from  $\mu/e$ -Fe scattering. The MINERvA experiment will measure  $\nu$ -A scattering off of He, C, Fe and Pb to systematically study these nuclear effects in neutrino interactions with high statistics. The CTEQ results and an outline the MINERvA program for measuring nuclear effects will be presented.

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