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First Search for EMC Effect and Shadowing in Neutrino Scattering at MIENRvA

Thursday 6 August 2015 17:00 (20 minutes)

MINERvA is a neutrino scattering experiment located at Fermi National Accelerator laboratory in Batavia IL. MINERvA has recently made a measurement of neutrino-nucleus deep inelastic scattering on the nuclei C, Fe, Pb and plastic scintillator. The deep inelastic data contain a measurement of EMC and shadowing nuclear effects in neutrinos. This talk will discuss the DIS measurement and analysis. Comparisons of the data with contemporary neutrino generators and nuclear theories will be presented.

Oral or Poster Presentation

Oral

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Session Classification: Neutrino Physics

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