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Survey of neutrino-nucleus cross-section measurements from MINERvA

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Precision measurements of neutrino oscillation probabilities require an improved understanding of neutrino-nucleus interactions. MINERvA is a neutrino scattering experiment at Fermilab that utilizes the intense neutrino beam from the NuMI beam-line and a finely segmented scintillator based tracking detector to measure neutrino cross sections on various nuclear targets. MINERvA has published results using its low-energy data sets and is presently taking NOvA-era medium energy data. These results cover both exclusive and inclusive channels for muon and electron neutrino and anti-neutrino interactions. A summary of recent results from MINERvA will be presented.

Experimental Collaboration

MINERvA

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