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Neutrino Interaction Results from MINERvA

Friday, 19 February 2021 17:30 (20 minutes)

MINERvA is a neutrino scattering experiment at Fermilab that utilizes the intense neutrino beam from the NuMI beamline and a finely segmented scintillator-based tracking detector to measure neutrino cross sections and study nuclear effects with various nuclear targets. MINERvA has results using both its low- energy and medium energy data sets. These results cover both exclusive and inclusive channels off multiple nuclei for muon neutrinos and anti-neutrinos and will benefit long-baseline neutrino oscillation experiments that require this precise understanding of neutrino-nucleus interactions. A summary of recent results from MINERvA will be presented.

Collaboration name

MINERvA

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Session Classification: Cross Sections

Track Classification: Neutrino Masses and Mixings