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Neutrino Physics Results at MINERvA

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MINERvA (Main INjector ExpeRiment v-A) is a few-GeV neutrino-nucleus scattering experiment using the high intensity NuMI beam line at Fermi National Accelerator Laboratory. The MINERvA detector is a fine-grained scintillator tracking detector capable of making precision measurements of low-energy neutrino and anti-neutrino interactions. The experiment was designed to help provide insight into neutrino and anti-neutrino cross sections, important in neutrino oscillation experiments and the probing of the nuclear medium. We present the results of the charged current quasi-elastic and inclusive pion production analyses.

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