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Latest insights from MINERvA

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The Main Injector Experiment v-A (MINERvA) at Fermilab is a dedicated neutrino-nucleus scattering experiment that employs the NuMI neutrino beam. The MINERvA detector is composed of a fine-grained scintillator tracker with electromagnetic and hadronic calorimetry regions. Upstream of the central tracker, alternating layers of scintillator strips and passive nuclear targets allow for the study of nuclear medium effects in neutrino-induced interactions. MINERvA performs high-precision measurements of neutrino interactions across a wide range of neutrino energies and target materials. This talk will present an overview of MINERvA, including its beamline, detector, physics program, recent results, and current status.

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