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MINERvA in 10 Minutes

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The MINERvA experiment is a dedicated neutrino scattering experiment located on the NuMI beamline in Fermilab. It aims to make high precision measurement of neutrino interaction cross sections in the 1-to 10-GeV energy range, to support the current and future oscillation experiments as well as to provide information about the structure of nuclei, protons and neutrons and the strong force dynamics that affect neutrino-nucleus interactions. The MINERvA detector is comprised of a fine-grained scintillator with electromagnetic and hadronic calorimetry regions. Various nuclear targets are located inside and in front of the detector for studying nuclear medium effects in neutrino-induced interactions. This talk presents a summary of the MINERvA experiment.

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