

Abstract Submitted
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Neutrino quasi-elastic scattering measured with MINERvA¹

RONALD RANSOME, Rutgers University, MINERVA COLLABORATION — The MINERvA experiment is a high precision neutrino scattering experiment designed to improve our understanding of the neutrino-nucleus interaction. The detector will use a fully active scintillation detector to allow full event reconstruction, as well as ^4He , and thin C, Fe, and Pb targets to study the nuclear dependence of the interaction. The experiment is planned to start a four year run in 2010 in the NuMI Beamline at Fermilab. The axial form factor can be extracted from quasi-elastic scattering from the different nuclear targets. A discussion of the estimated precision and systematic uncertainties will be presented.

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