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Neutral pion production by charged-current antineutrino-nucleus interactions in MINERvA TRUNG LE, Rutgers, State University of New Jersey, MINERVA COLLABORATION — MINERvA is a neutrino scattering experiment at the NuMI beamline of FNAL. It is a high resolution, fully active detector designed to study the interaction of neutrinos with nuclei. In addition to plastic scintillator, there are several other nuclear targets such as 4He, Fe, Pb, C, and H20 which allow detailed studies of the A dependence of neutrino cross sections. We present the preliminary results of the measurement of single neutral pion production by charged-current interactions of anti-neutrinos in plastic scintillator.

Trung Le
Rutgers, State University of New Jersey

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