

Abstract Submitted
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Preliminary Results in MINERvA's Nuclear Targets for CCQE-like Events JEFFREY KLEYKAMP, Univ of Rochester, MINERVA COLLABORATION — MINERvA is a precision cross section experiment for neutrino scattering processes on various nuclei. Charged-Current Quasi-Elastic (CCQE) cross sections are relevant for neutrino oscillation experiments such as T2K, NOvA and DUNE. This talk describes how MINERvA's nuclear targets are used to measure the scaling in CCQE-like event rates as function of target nucleus. CCQE-like is defined as events with no detected pion. Preliminary results are shown for rates of CCQE-like events produced in the MINERvA medium energy run on carbon, hydrocarbon, iron, and lead targets. The presented data are analyzed in terms of muon variables, proton variables and variables that combine information from muons and proton.

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