

Abstract Submitted
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Exclusive Neutrino Charged Current Coherent Pion Production Cross Section Measurements in MINERvA A. HIGUERA, Universidad de Guanajuato, MINERVA COLLABORATION — MINERvA (Main Injector Experiment for ν -A) is a neutrino scattering experiment in the 1-10 GeV energy range in the NuMI high-intensity neutrino beam at Fermi National Accelerator Laboratory. MINERvA is measuring neutrino/antineutrino scattering off a variety of different nuclear materials (C, Fe, Pb, He, H₂O) and plans to measure the A-dependence of the Charged Current Coherent Pion Production cross section. We provide an outline of this measurement including the expected event rates and our methods for differentiating signal from background.

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