

Abstract Submitted
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A first measurement of neutrino nucleon elastic scattering in MiniBooNE D. CHRISTOPHER COX, Indiana University, MINIBOONE COLLABORATION — Neutrino nucleon elastic scattering $\nu N \rightarrow \nu N$ is a fundamental process of the weak interaction, and provides insight into the structure of the nucleon. In MiniBooNE, a neutrino oscillation experiment at Fermilab, this process comprises about 15% of all neutrino interactions, making it MiniBooNE's third largest scattering process with over two hundred thousand events expected in the current data sample. First cross section results will be presented.

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