

Abstract Submitted
for the APR21 Meeting of
The American Physical Society

Prospects of Neutrino Cross Section Measurements Using the NuMI off axis at ICARUS RYAN HOWELL, University of Rochester — ICARUS, a Liquid Argon Time Projection Chamber, will serve as the Far Detector of the short-baseline neutrino program using the Booster beamline at Fermilab. It is located 103 mrad off-axis from the NuMI beamline. Prospects for cross-section measurements and the status of the trigger system using the PMT system to collect electron and muon neutrinos from NuMI will be shown. Accurate neutrino cross-section measurements on argon are required for precise measurements of neutrino oscillation parameters such as CP- violation and the neutrino mass hierarchy.

Ryan Howell
University of Rochester

Date submitted: 08 Jan 2021

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