

Abstract Submitted
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Measurements of neutrino charged current interactions at SciBooNE¹ YASUHIRO NAKAJIMA, Kyoto University, SCIBOONE COLLABORATION — The SciBooNE experiment (FNAL E954) is designed to measure the neutrino cross sections on carbon in the one GeV region. These measurements are essential for the future neutrino oscillation experiments. Additionally, SciBooNE serves as a near detector for MiniBooNE experiment using the same neutrino beamline by constraining the neutrino fluxes. In this talk, we focus on measurements of inclusive muon neutrino charged current interactions and the neutrino energy spectrum at SciBooNE. The neutrino energy spectrum will be used for the search for muon neutrino disappearance between SciBooNE and MiniBooNE detectors. We have been taking data from the Fermilab booster neutrino beam since June 2007. The preliminary results of the analysis will be reported.

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