

Abstract Submitted
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Charged-current cross section measurements in MiniBooNE

TEPPEI KATORI, Indiana University, MINIBOONE COLLABORATION — The MiniBooNE experiment is a short baseline electron neutrino appearance experiment at FNAL. In addition to oscillation physics, the Booster neutrino beam offers excellent neutrino cross section measurements. The charged-current (CC) interaction is the most fundamental process for neutrino physics, and so requires careful investigation. The high statistics data set of MiniBooNE will shed light on this process. We will discuss recent developments in the analysis of the CC interaction, including charged-current quasi-elastic (CCQE) and charged-current pion production (CC1 π).

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