

# Measurements of Electron Neutrino Interactions in MicroBooNE

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Measurements of neutrino-nucleus interactions provide an important benchmark for the theoretical models needed to perform precision neutrino oscillation analyses. An understanding of electron neutrino scattering is crucial for determination of charge parity (CP) violation in the leptonic sector. Potential mismodeling of these interactions can limit the sensitivity of forthcoming experiments like DUNE, and thus direct measurements of electron neutrino cross sections are invaluable. The MicroBooNE experiment is a liquid argon time projection chamber that collected data from both the Fermilab Booster and NuMI beamlines. This presentation will discuss measurements of electron neutrino cross sections in both beams, and in both inclusive and exclusive final states, and compare these results to the predictions from modern neutrino interaction generators.

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