

MicroBooNE cross section results from muon neutrinos with pions in the final state and rare processes

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MicroBooNE is a Liquid Argon Time Projection Chamber (LArTPC), able to image neutrino interactions with excellent spatial resolution, enabling the identification of complex final states resulting from neutrino-nucleus interactions. MicroBooNE currently possesses the world's largest neutrino-argon scattering data set, with a number of published cross section measurements and more than thirty ongoing analyses studying a wide variety of interaction modes. This talk provides an overview of MicroBooNE's measurements of topologies with pions in the final state, as well as the first cross section measurements of eta and Lambda production, and studies of neutron detection in argon.

Alternate track

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