

Measurements of pion production at MicroBooNE (ONLINE)

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MicroBooNE is a 100-ton-scale liquid argon TPC that ran in the Fermilab Booster Neutrino Beam from 2015-2021. MicroBooNE has recorded hundreds of thousands of neutrino interactions, many of which include pions in the final state. In particular, neutral pions are a key background to any search for low-energy electron neutrinos and sub-GeV signatures of physics beyond the Standard Model. Thus, measurements of pion production are useful for the broader Short Baseline Neutrino program and the future Deep Underground Neutrino experiment. This talk will present measurements of event topologies containing pions at MicroBooNE, including both charged- and neutral-current channels.

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