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【368】Overview of MicroBooNE

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MicroBooNE is the first of three liquid argon time projection chambers (LArTPCs) of the Short-Baseline Neutrino Program at Fermilab. Located on the Booster Neutrino Beamline, MicroBooNE has been collecting data since October 2015 to determine the source of the low-energy electromagnetic event excess previously reported by MiniBooNE and LSND. In addition, MicroBooNE is studying neutrino interactions on liquid argon, measuring low-energy neutrino cross sections, and developing technological advancements for future LArTPC experiments such as DUNE. This talk will give an overview of the MicroBooNE experiment, as well as discussing the principal physics goals of MicroBooNE and highlighting recent physics results.

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