

MicroBooNE in 10 Minutes

Monday, 10 June 2019 14:00 (15 minutes)

MicroBooNE is one of three liquid argon time projection chambers (LArTPCs) making up the Short-Baseline Neutrino Program at FNAL. 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 to its signature analysis, MicroBooNE is employed in studying various forms of neutrino interactions in liquid argon, measuring low-energy neutrino cross sections, and developing technological advancements for future LArTPC experiments such as DUNE. This talk will summarize the current status of MicroBooNE's physics program, highlight exciting new results, and provide an outlook of future experimental efforts.

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