

Search for a Low-energy Excess with MicroBooNE

Tuesday, July 28, 2020 8:30 PM (15 minutes)

MicroBooNE is a neutrino experiment based at Fermilab that utilizes a liquid argon time projection chamber (LArTPC) located on-axis in the Booster Neutrino Beam (BNB) at Fermilab. One of the experiment's main goals is to search for excess low-energy electromagnetic-like events as seen by the MiniBooNE experiment, located just downstream of MicroBooNE in the BNB. This talk will present MicroBooNE's low-energy excess search, including targeted searches for both single-photon-like and single-electron-like events.

I read the instructions

Secondary track (number)

03

Author: CARATELLI, David (Fermi National Accelerator Laboratory)

Presenter: CARATELLI, David (Fermi National Accelerator Laboratory)

Session Classification: Neutrino Physics

Track Classification: 02. Neutrino Physics