

The MicroBooNE Experiment at Fermi National Accelerator Laboratory

MicroBooNE is an upcoming experiment that will study properties of neutrinos produced by FNAL's Booster Neutrino Beamline. Neutrino interactions will be detected in a liquid argon time projection chamber (TPC) with an active volume of about 86 tons. In the TPC, electrons produced by ionization of the argon will drift up to 2.5 meters and be detected by three planes of wires. Additionally a collection of photomultiplier tubes will detect scintillation light, providing crucial information on the timing of interactions in the argon. I will present the physics goals of MicroBooNE, details of the design of the detector, the current status of detector construction, and the development of automated event-reconstruction tools.