Abstract Submitted
for the APR13 Meeting of
The American Physical Society

MicroBooNE JENNET DICKINSON, Columbia University, MICROBOONE COLLABORATION — The MicroBooNE experiment, like its predecessor experiment, MiniBooNE, will search for electron neutrino appearance in the Booster Neutrino Beam at Fermilab. The experiment uses a Liquid Argon Time Projection Chamber (LArTPC), which provides powerful electron/photon discrimination and will allow MicroBooNE to investigate the nature of electron-like events observed at low energies by MiniBooNE. The experiment will also refine neutrino cross section measurements and serve as an R&D test-bench for future large Liquid Argon detectors. MicroBooNE will begin taking data in 2014. This talk describes MicroBooNE's main physics goals, and shows some sensitivities for MicroBooNE.

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Date submitted: 15 Jan 2013 Electronic form version 1.4