

Abstract Submitted
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MicroBooNE: A Liquid Argon Time Projection Chamber in the Booster Neutrino Beam JOSHUA SPITZ, Yale University, MICROBOONE COLLABORATION — MicroBooNE, a next generation Liquid Argon Time Projection Chamber (LArTPC) based experiment, will begin taking data in the Booster Neutrino Beam at Fermilab in 2011. The experiment's goals, including cross section measurements relevant for future long-baseline neutrino oscillation searches, understanding the MiniBooNE low-energy excess, and research and design towards a kiloton-scale LArTPC are presented.

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