

Abstract Submitted  
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**The MicroBooNE Experiment** RYAN GROSSO, University of Cincinnati, MICROBOONNE COLLABORATION — The MicroBooNE Experiment is a 170-ton Liquid Argon Time Projection Chamber (LArTPC) that will commence taking data in the Booster Neutrino Beam at Fermilab in 2014. The TPC active volume forms a rectangular solid of dimensions  $2.3 \text{ m} \times 2.6 \text{ m} \times 10.4 \text{ m}$  (87-ton) to record ionization signals from particles produced in neutrino interactions. Scintillation light detected by a Photomultiplier Tube array will be used to provide precise event timing information. This talk outlines the physics goals of the experiment along with the fabrication, assembly, and commissioning of the MicroBooNE LArTPC. Finally, the present status of the experiment will be summarized.

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