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Studies of the cosmic ray flux in MicroBooNE KATHERINE WOODRUFF, New Mexico State University, MICROBOONE COLLABORATION — We present a characterization of the cosmic ray rate in MicroBooNE, a 170-ton Liquid Argon Time Projection Chamber (TPC) being built at Fermilab. In order to verify computer simulations of the rates and angular dependence of cosmic muons, we have built a plastic-scintillator detector at the Liquid Argon Test Facility, where MicroBooNE will be located during its run. This will allow us to determine the cosmic ray muon flux through the TPC active volume independently of the MicroBooNE reconstruction efficiency. Preliminary results will be presented.

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