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MINOS Calibration JIAJIE LING, University of South Carolina, MINOS COLLABORATION — We present the calibration studies and measurements in the MINOS neutrino detector at FNAL. The energy calibration is critical to precisely determine the neutrino oscillation parameters. A key component of the MINOS calibration is a dedicated measurement of the detector response in a test-beam at CERN. Light-injection, cosmic-ray muon, and beam-induced muon provide additional valuable, and in situ, calibration constants and constraints. The calibration study yields an absolute energy measurement at 5% precision; the near-to-far energy difference, critical for THE oscillation MEASUREMENT, is within 2%.

Jiajie Ling
University of South Carolina

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