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Measurement of muon neutrino oscillations using the complete MINOS data set MICHELLE MESQUITA DE MEDEIROS, Federal University of Goias, MINOS COLLABORATION — The Main Injector Neutrino Oscillation Search (MINOS) experiment at Fermilab uses a long-baseline neutrino beam in order to study neutrino oscillations. The near detector is placed 1 km from the target while the far detector is situated 735 km away from the target. Both detectors are magnetized allowing the charge determination of the particle being detected. MINOS has now finished the low-energy phase of data taking and has produced some of the most precise measurements of neutrino oscillations. We present the results of the complete MINOS data set, where the muon neutrino and anti-neutrino from the NuMI beam are combined with the atmospheric data taken by the far detector.

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