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Measuring Neutrino Oscillations with the MINOS Experiment ALEXANDER RADOVIC, University College London, MINOS COLLABORATION — The observation of neutrino oscillation provided the first evidence for physics beyond the standard model. MINOS has been one of the foremost experiments in the field Pioneering the two-detector technique, the MINOS long-baseline oscillation experiment has made several world-class neutrino oscillation measurements, not only making the most precise measure of the largest neutrino mass splitting, but also the first direct measurement of the antineutrino oscillation parameters. This presentation provides a definitive summary of the contribution MINOS has made to the world's knowledge of θ_{23} and $\Delta|m_{atm}|^2$ through the observation of muon neutrino and antineutrino disappearance.

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