

Abstract Submitted  
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**Muon Neutrino Disappearance Measurement at MINOS+**  
THOMAS CARROLL, The University of Texas at Austin, MINOS+ COLLABORATION — The MINOS experiment ran from 2003 until 2012 and produced some of the best precision measurements of the atmospheric neutrino oscillation parameters  $\Delta m_{32}^2$  and  $\theta_{23}$  using muon neutrino disappearance of beam and atmospheric neutrinos and electron neutrino appearance of beam neutrinos. The MINOS+ experiment succeeded MINOS in September 2013. For almost three years MINOS+ collected data from the Medium Energy NuMI neutrino beam at Fermilab. Results of the muon neutrino disappearance analysis from the first two years of MINOS+ data will be presented. These results will be compared to and combined with the MINOS measurement.

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