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Muon Neutrino Disappearance Measurement at MINOS+

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The MINOS experiment ran from 2003 until 2012 and produced some of the best measurements of the atmospheric neutrino oscillation parameters Δm_{32}^2 and θ_{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+ has been collecting data in the “Medium Energy” configuration of NuMI beamline at Fermilab. The status of muon neutrino analysis using MINOS+ will be presented along with how MINOS+ can improve MINOS measurements.

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