



Contribution ID: 207

Type: **Poster**

Near to Far extrapolation for the NOvA muon neutrino disappearance analysis.

The NOvA long-baseline neutrino experiment is currently under construction and consists of two highly active, finely segmented, liquid scintillator detectors located 14 mrad off Fermilab's NuMI beam axis, with a Near Detector located at Fermilab, and a Far Detector located 810 km at Ash River, MI.

This poster will present the methods developed to predict the Far Detector spectra as extrapolated from the observed Near Detector data and its application to the NOvA measurements of θ_{23} and Δm^2_{32} through the observation of muon neutrino and muon antineutrino disappearance.

Primary author: Dr SUTER, Louise (Argonne)

Presenter: Dr SUTER, Louise (Argonne)

Track Classification: Long Baseline Oscillations