



Contribution ID: 79

Type: **Poster**

NOvA Near Detector Assembly and Installation

NOvA is a long baseline neutrino experiment with a 300-ton near detector on the Fermilab site and a 14,000-ton far detector in northern Minnesota. The NOvA experiment will study neutrino and antineutrino oscillations in both disappearance and appearance channels to determine the neutrino mass hierarchy, to constrain the CP phase, and more. The near detector plays a critical role in understanding the composition of the unoscillated beam and helping reducing systematic uncertainties. The poster will present the procedures of assembly and installation of the NOvA near detector at Fermilab, including the detector assembly and transportation, mechanical installation, and electronics installation.

Primary author: Dr BU, Xuebing (Fermilab)

Presenter: Dr BU, Xuebing (Fermilab)

Track Classification: Long Baseline Oscillations