

Physics Opportunities in the Near DUNE Detector hall: PONDD



Contribution ID: 1

Type: **not specified**

Near Detector Needs for Long-Baseline Physics

Monday, 3 December 2018 10:00 (30 minutes)

The primary purpose of the DUNE near detector is to constrain uncertainties relevant for the long baseline oscillation program, especially uncertainties on the flux prediction, neutrino cross section modeling, and neutrino energy reconstruction. I will present an overview of the near detector concept, with particular focus on the long-baseline physics motivation for the design.

Primary author: Dr MARSHALL, Chris (Lawrence Berkeley National Laboratory)

Presenter: Dr MARSHALL, Chris (Lawrence Berkeley National Laboratory)

Session Classification: DUNE Near Detector Hall