

# NuFact'11 XIIIth Workshop on Neutrino Factories, Superbeams and Beta-beams



Contribution ID: 64

Type: **not specified**

## WG2 Neutrino interaction measurements using T2K Near Detectors

The T2K near detectors provide a rich facility for measuring neutrino interactions in a high-flux environment. This talk will discuss the near detector CC-inclusive normalization analysis for the T2K oscillation result in detail, along with the present result, and describe the plan for its extension to more sophisticated measurements. Selection criteria for CCQE interactions will be presented, as will a strategy for calculating cross-section difference between plastic scintillator and water. The unique capacities of the near detectors to measure other exclusive CC and NC channels in a narrow-band off-axis beam will also be explored.

**Author:** Mr BROOK-ROBERGE, Daniel (University of British Columbia)

**Co-author:** EFTHYMIPOULOS, Ilias (CERN)

**Presenter:** Mr BROOK-ROBERGE, Daniel (University of British Columbia)