

# Energy Measurement in the T2K Oscillation Analysis

*Tuesday 26 August 2014 14:30 (30 minutes)*

T2K has published oscillation measurements for  $\nu_\mu$  disappearance and for  $\nu_e$  appearance. Both of these rely on energy measurements in the Super-Kamiokande far detector. In this talk, I shall discuss the Super-K energy measurement, its calibration and its systematics, for both muons and electrons. I shall also briefly discuss energy measurement in the ND280 near detector.

## WG3: Accelerator Physics (Yes/No)

No

## WG2: Neutrino Scattering Physics (Yes/No)

No

## WG4: Muon Physics (Yes/No)

No

## WG1: Neutrino Oscillation Physics (Yes/No)

Yes

## Type of presentation

Oral presentation

**Author:** CARTWRIGHT, Susan (Department of Physics)

**Presenter:** CARTWRIGHT, Susan (Department of Physics)

**Session Classification:** WG1: Neutrino Physics