



ID de Contribution: 124

Type: **Ordinary**

## Latest Oscillation Results from T2K

*lundi 14 mars 2016 09:30 (15 minutes)*

The T2K long baseline neutrino oscillation experiment is composed of a near detector at 280m and a far detector at Super-Kamiokande, located 295 km from the neutrino beam source. The 30GeV proton beam at JPARC is used to produce  $\sim 1$  GeV muon neutrinos which are detected in the Cherenkov detector at Super-Kamiokande for oscillation measurements, such as electron neutrino appearance and  $\theta_{23}$  measurements from muon neutrino disappearance. By reversing the beam polarity antineutrino oscillations may also be studied. Combined measurements of neutrino and antineutrino oscillations constrain the CP-violating Dirac phase of the PMNS matrix. This talk will present the most recent oscillation results from T2K.

**Auteur principal:** Mlle NIELSEN, Christine (University of British Columbia)

**Orateur:** Mlle NIELSEN, Christine (University of British Columbia)

**Classification de Session:** Neutrinos

**Classification de thématique:** Experiment