Contribution ID: **120** Type: **not specified**

Recent Results From the T2K Experiment

Tuesday, 31 May 2016 16:30 (20 minutes)

Summary

The Tokai-to-Kamioka experiment (T2K) is an accelerator-based long-baseline neutrino oscillation experiment. An off-axis neutrino beam with a peak energy of 0.6 GeV is produced at the J-PARC accelerator facility, with the flavor content dominated by either muon neutrinos or muon antineutrinos, depending on the choice of the polarity of the magnetic focusing horns. The oscillated flux is detected at Super-Kamiokande, a ring-imaging water Cherenkov detector located 295 km away from the source, where the oscillation effect is maximal. This talk will briefly review T2K's previous oscillation results from running in neutrino mode, as well as present the most recent disappearance results from running in antineutrino mode with 4.01E20 protons on target.

Presenter: MISSERT, Andrew

Session Classification: Neutrinos