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T2K oscillation results

Tuesday 26 August 2014 11:20 (20 minutes)

The Tokai to Kamioka (T2K) experiment is a long baseline neutrino oscillation experiment, using a nearly pure muon neutrino beam produced by an accelerator. The neutrinos are produced at J-PARC on the east coast of Japan, and detected after 295 km of propagation in Super-Kamiokande. An additional complex of detectors located 280 meters from the target allows to characterize the neutrino beam and constrain systematic uncertainties. In this talk, I will be presenting the results of the neutrino oscillation analysis, especially emphasizing newly available muon neutrino disappearance analysis, and joint muon neutrino disappearance / electron neutrino appearance analysis using the data collected until the summer of 2013.

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

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