

3-Flavour Neutrino Oscillations from the T2K Experiment

T2K is a long-baseline experiment for the measurement of neutrino and antineutrino oscillations. (Anti)neutrinos are produced by the J-PARC accelerator and measured at the ND280 near detector, and then at the Super-Kamiokande far-detector, in Kamioka. The most recent results of neutrino oscillations will be presented, featuring world-leading sensitivities on the search of Charge-Parity violation, by comparing oscillation measurements of neutrinos and antineutrinos. Measurements of the atmospheric parameters are extracted from the rate of muon neutrino disappearance and electron neutrino appearance. The results include data collected with first Gd-loading at the far detector.

Working Group

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