

NuFact 2026 - The 27th International Workshop on Neutrinos from Accelerators



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Latest T2K Results

T2K is a long-baseline neutrino experiment operating in Japan which has achieved world-leading measurements of neutrino and anti-neutrino oscillation. The J-PARC accelerator complex produces a stream of muon neutrinos or anti-neutrinos which are measured at a near detector complex as well as at a Water Cherenkov far detector, Super-Kamiokande, 295km away. Near and far detector measurements of the rates of electron neutrino appearance for neutrinos and anti-neutrinos can be used to quantify the degree of the charge-parity violating phase δ_{CP} . A new analysis with improvements such as upgraded selection and detector modelling at the near detector, as well as new Gd-loaded far detector data with improved phase space coverage due to novel samples with charged pions, extension of the neutrino interaction model and enhanced interaction systematics treatment will be presented in this talk. In addition, results from the neutrino cross-section program as well as future prospects of T2K will be discussed.

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