

NuFact 2024 - The 25th International Workshop on Neutrinos from Accelerators

Contribution ID: 13

Type: **Invited Talk: in-person**

Latest cross section results from T2K

Wednesday, 18 September 2024 11:10 (24 minutes)

T2K is a long-baseline experiment for the measurement of neutrino oscillations. The neutrino flux and neutrino-nucleus cross-sections are measured by a suite of near detectors, including ND280, an off-axis multipurpose magnetised detector, WAGASCI, featuring a water-enriched target at a different off-axis angle, and INGRID an on-axis detector composed of sandwiched layers of iron and scintillator.

The near detectors perform a wide variety of neutrino-nucleus cross-section measurements on different targets and for different final states. Such a program, to control systematic uncertainties for T2K and beyond, provides high-quality data to benchmark improved models of neutrino-nucleus scattering.

Recent T2K cross-section results will be presented.

Working Group

WG 2: Neutrino Scattering Physics

Presenter: MUNTEANU, Laura (CERN)

Session Classification: Parallel: WG2

Track Classification: WG2: Neutrino Scattering Physics