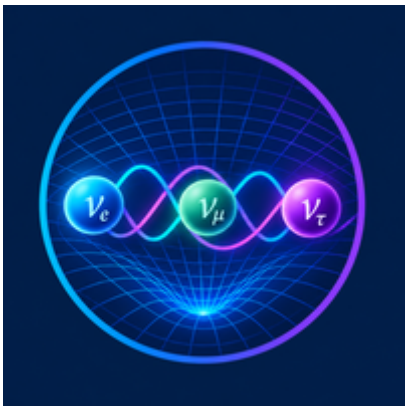
Session Program

10–11 Dec 2026



Quantum Correlations in Neutrino Oscillations

Oscillation parameters in quantum information theory

Friday 11 December

09:00

Oscillation parameters in quantum information theory

Session

09:00–09:30

Quantum Information Theory applied to oscillation parameter estimation

Speaker
Prof. Yufeng Li

09:30–09:55

QIT parameter estimation applied to T2K–NOvA oscillations

Speaker
Luis A. Delgadillo

09:55–10:20

QIT parameter estimation: a comparative study of solar and reactor oscillation experiments

Speaker
Ms Neetu Raj Singh Chundawat

10:20–10:40

Break

10:40–11:05

Quantum Information Hierarchy in JUNO using QIT

Speaker
Yuhan Shu

11:05–11:30

Quantum Fisher Information Revealing Parameter Sensitivity in Long-Baseline Neutrino Experiments

Speaker
Bhavna Yadav

11:30–12:00

Operational quantum estimation theory for neutrino oscillations: identifiability, attainability, and spectral precision bounds

Speaker
Jianlong Lu

12:00