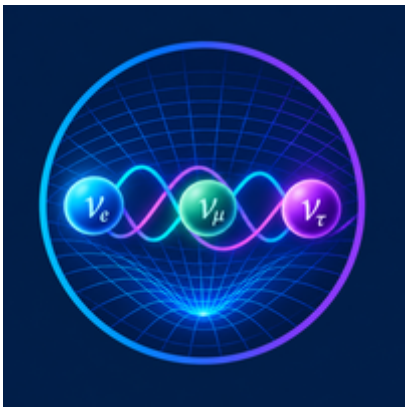
Session Program

10–11 Dec 2026



Quantum Correlations in Neutrino Oscillations

Neutrino quantumness and gravity

Friday 11 December

13:30

Neutrino quantumness and gravity

Session

13:30–14:00 **Neutrinos as possible probes for quantum gravity**

Speaker
Marco Torri

14:00–14:30 **Neutrino quantum correlations in presence of gravity**

Speaker
Abhishek Jha

14:30–15:00
Modified entanglement patterns in two-flavor neutrinos from quantum-gravity interactions

Speaker
Bipin Singh Koranga

15:00–15:20 **Break**

15:20–15:50
Decoherence from quantum spacetime noise: An open-system framework with application to neutrino oscillations

Speaker
Partha Nandi

15:50–16:20 **Search for decoherence from quantum gravity in Icecube**

16:20