



Contribution ID: 164

Type: **Poster**

Poster Session

Thursday, 26 June 2025 15:00 (2 hours)

Beside the poster presented in the flash talk section, the other poster contributions are:

- “Conditions for Unitarity in Timeless Quantum Theory” by Simone Rijavec.
- “Using Wigner’s rotation as a quantum resource in Kerr’s metric parameter estimation” by Francisco Jara Lobo.
- “De Sitter Black Holes in Euclidean Quantum Gravity” by Tim Blankenstein.
- “Decoherence in non-inertial reference frames” by Clemens Jakubec.
- “The tensor product of p-adic Hilbert spaces” by Lorenzo Guglielmi.
- “Search for high-frequency gravitational waves using quantum sensing with Rydberg atoms” by Akira Taniguchi.
- “Energy Fluctuations of Massive Scalar Fields in Gaussian and Cat States” by Adriano Barreto.
- “Rotating frames from quantum deformed spacetime” by Dusan Dordevic.
- “Decoherence as Musical Composition: A Sonification Approach to Open Quantum Systems” by Vasiliki Florou and Theodora Kolioni.
- “Entropic Uncertainty and Non-Markovian Information Flow in Relativistic Detector–Field Interactions” by Theodora Kolioni.
- “Effects of superradiance on relativistic Foldy-Wouthuysen densities” by Florent Daem.
- “Testing Weak Equivalence Principle using entanglement measures” by Marco Rivera.
- “Time-Energy Uncertainty from Einstein’s Box” by Sara Butler.
- “Low-Energy Test of Quantum Gravity via Angular Momentum Entanglement” by Luciano Petrucciello.
- “Emergent geometry and defects from wavelet-transformed quantum information” by Fil Simovic.
- “Towards violation of Bell inequalities by position measurements for Dirac particles” by Anuradha Tonipe.
- “Measurement of the Unruh effect through extended quantum thermometers” by Matteo Cardi.
- “Composition of local observables in quantum field theory: Towards a consistent measurement theory” by Adamantia Zampeli.
- “Two-Qubit Entanglement on Two Bloch Spheres” by Stalislav Filatov.
- “Quantum estimation in inflationary cosmology” by Michał Piotrak.
- “The Quantum Information of Cosmological Perturbations” by Simone Scarlatella.
- “Enhanced Gravitational Entanglement via Modulated Optomechanics” by Dennis Rätzel