



# 15th annual conference on Relativistic Quantum Information (North)

## Monday, 23 June 2025

### Monday Parallel Session F: Block 1 - Aula Ottagonale di Fisica (14:30 - 16:00)

time	[id] title	presenter
14:30	[182] Reading off correlation of spacetime fluctuations from interferometric output	BALAMURUGAN, Sharmila
14:45	[183] Probing Quantum Collapse with Rotational Dynamics	ARIO ALTAMURA, Davide Giordano
15:00	[207] A New Experimental Proposal to Test the Nonclassicality of Gravity	DAS, Debarshi
15:15	[208] A multimodal probe for general holographic coherence of quantum space-time states on causal horizons	KWON, Ohkyung
15:30	[209] An experiment to search for signatures of quantized space-time: QUEST	GROTE, Hartmut
15:45	[210] Operator Ordering in Relativistic Quantization: A Case Study of Specific Heat in Rindler Space	SAJNOK, Karol

### Monday Parallel Session F: Block 2 - Aula Ottagonale di Fisica (16:40 - 18:10)

time	[id] title	presenter
16:40	[211] Cosmological tests for hybrid classical-quantum gravity	PANELLA, Emanuele
16:55	[212] Causal consistency requirements for gravity-induced entanglement in systems with internal energy	VAN MANEN, Linda
17:10	[213] Bridging Gravitational and Quantum Worlds Using Coherent Atom Arrays	ARYA, Navdeep
17:25	[214] Simulating a superposition of spacetimes with optical media	PRECIADO-RIVAS, María Rosa
17:40	[215] Cascaded Optomechanical Sensing	MARCHESE, Marta Maria
17:55	[216] Quantum signatures of proper time in optical atomic clocks	FOO, Joshua