



# The Time Machine Factory [unspeakable, speakable] on Time Travel - TMF2024

## Monday 23 September 2024

**Session V. Teleportation, entanglement and decoherence - Vallauri Hall (13:45 - 14:55)**

-Conveners: **Lorenzo Maccone**

time	[id] title	presenter
13:45	[111] Quantum measures of correlation in time	Prof. VEDRAL, Vlakto
14:20	[117] The information-theoretic foundation of thermodynamic work extraction	MARLETTO, Chiara

# Wednesday 25 September 2024

## Session V. Teleportation, entanglement and decoherence: Morning session - Vallauri Hall (09:00 - 12:55)

-Conveners: Marco Genovese

time	[id] title	presenter
09:00	[83] Relativistic tunneling and attempts at superluminal signaling	DUMONT, Randy
09:25	[118] GINGERINO: a quantum gyroscope	Dr PORZIO, Alberto
10:00	[108] Quantum clocks, reference frames and the relational flow of time	Prof. COHEN, Elihau
10:35	Coffee Break	
11:05	[105] Temporal witnesses of non-classicality and conservation laws	DI PIETRA, Giuseppe
11:30	[88] Particles with Proper Time Oscillation	YAU, Hou
11:55	[119] Uncertainties and correlations in the framework of spatiotemporal quantum reference frames	Dr SULEYMANOV, Michael
12:30	[94] Back-Action causes the Difference between Classical and Quantum Counterfactual Effects	HANCE, Jonte

## Session V. Teleportation, entanglement and decoherence: Afternoon session - Vallauri Hall (14:10 - 14:35)

-Conveners: Marco Genovese

time	[id] title	presenter
14:10	[103] Proposal of an Interferometer for Quantum Gravity Tests	BERNARDI, Ettore