



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

## Monday 23 September 2024

### Session II. Time travel and consistency - Vallauri Hall (14:55 - 18:15)

-Conveners: **Lorenzo Maccone**

time	[id] title	presenter
14:55	[110] Inner-extremal regular black holes from pure gravity	Prof. KUBIZNAK, David
15:30	Coffee Break	
16:00	[113] Beyond black holes, ultra-strong gravity spacetimes	MARTIN SENOVILLA, Jose Maria
16:35	[106] Avoiding singularities in Lorentzian-Euclidean black holes: the role of atemporality	CAPOZZIELLO, Salvatore
17:15	[109] Quantum field theory in the presence of time-machines	ALONSO-SERRANO, Ana
17:50	[89] Time Travel Paradoxes and Entangled Timelines	SHOSHANY, Barak

# Tuesday 24 September 2024

## Session II. Time travel and consistency - Vallauri Hall (09:00 - 11:35)

-Conveners: Seth Lloyd

time	[id] title	presenter
09:00	[96] Relational Quantum Dynamics for Toy Models of Time Travel	SCHUSTER, Sebastian
09:25	[116] Geometric Event-Based quantum mechanics (GEB): a fully covariant relativistic quantum mechanics	Prof. MACCONE, Lorenzo
10:05	[123] Resolution of The Quantum Clock-Time Observable	Dr BORDON, Khai
10:40	Coffee Break	
11:00	[124] Black to White hole transitions as (forward) time machines	CHRISTODOULOU, Marios