

The Time Machine Factory [unspeakable, speakable] on Time Travel -TM2019

Wednesday, September 25, 2019

Investigating the fundamental properties of physics: chair Eliahu Cohen (11:25 AM - 1:00 PM)

time	[id] title	presenter
11:25 AM	[M7] Superpositions of Mesoscopic Objects for Sensing Quantum Gravity and Gravitational Waves	Prof. BOSE, Sougato
12:10 PM	[P3] Superpositions of causal orders in a timeless universe	Prof. VEDRAL, Vlatko
12:55 PM	[P4] Conjectures on SpaceTime	Dr CAPURSO, Alessandro

Investigating the fundamental properties of physics: chair Ivano Ruo Berchera (2:20 PM - 5:31 PM)

time	[id] title	presenter
2:20 PM	[M4] Locality and causality in the Aharonov-Bohm effect	Dr MARLETTO, Chiara
3:00 PM	[M6] Pseudodensity Matrix of a quantum optical system as a tool for visualizing open timelike curves.	Dr GENOVESE, Marco
3:30 PM	[M5] Quantum enhanced correlated interferometry for Planck scale physics	Dr LOSERO, Elena
4:00 PM	Coffee BREAK	
4:30 PM	[M2] Contrary Inferences for Classical Histories in the Consistent Histories Approach	Dr ZAMPELLI, Adamantia
4:50 PM	[M1] Conditional probabilities, relativistic quantum clocks, and the trinity of relational quantum dynamics	Dr SMITH, Alexander R. H.
5:10 PM	[M] Quantum field theories with quantum causal structure	Dr JIA, Ding
5:30 PM	[M8] Quantum entanglement near open timelike curves: theory and experimental simulation	Dr REBUFELLO, Enrico