

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

Thursday, October 10, 2019

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

time	[id] title	presenter
11:25 AM	[65] Superpositions of Mesoscopic Objects for Sensing Quantum Gravity and Gravitational Waves	Prof. BOSE, Sougato
12:10 PM	[33] Superpositions of causal orders in a timeless universe	Prof. VEDRAL, Vlatko
12:55 PM	[14] Conjectures on SpaceTime	Dr CAPURSO, Alessandro

Investigating the fundamental properties of physics: chair Ivano Ruo Berchera (2:20 PM - 5:30 PM)

time	[id] title	presenter
2:20 PM	[34] Locality and causality in the Aharonov-Bohm effect	Dr MARLETTO, Chiara
3:00 PM	[66] Pseudodensity Matrix of a quantum optical system as a tool for visualizing open timelike curves.	Dr GENOVESE, Marco
3:30 PM	[35] Quantum enhanced correlated interferometry for Planck scale physics	Dr LOSERO, Elena
4:00 PM	Coffee BREAK	
4:30 PM	[12] Contrary Inferences for Classical Histories in the Consistent Histories Approach	Dr ZAMPELLI, Adamantia
4:50 PM	[21] Conditional probabilities, relativistic quantum clocks, and the trinity of relational quantum dynamics	Dr SMITH, Alexander R. H.
5:10 PM	[4] Quantum field theories with quantum causal structure	Dr JIA, Ding