

QLK 2021 — Program

The times below refers to Central European Time (CET)

Talks: 45mins + 25mins Q&A + 10mins Break

Round Tables: 1h50 total (3 short talks 15mins each + 1h5mins free discussion)

Monday 29th, March 2021

9.00 — 10.20	Nicolas Gisin	Time in Physics and Intuitionistic Mathematics
10.20 — 11.40	T. Müller & T. Placek	Two types of indeterminism in quantum correlation experiments: A branching space-times analysis
11.40 — 13.00	Giulia Rubino	Time's Arrow of a Quantum Superposition of Thermodynamic Evolutions
13.00 — 14.30	<i>Lunch Break</i>	
14.30 — 15.50	Owen Maroney	Quantum Theory and Scientific Realism
15.50 — 17.10	David Wallace	On the Plurality of Quantum Theories
17.10 — 18.30	Alyssa Ney	The Arguments for Wave Function Realism

Chairs: Cyril Branciard (morning), Vincent Lam (afternoon)

Tuesday 30th, March 2021

9.00 — 10.20	Renato Renner	What can quantum agents know about each other?
10.20 — 11.40	Chris Timpson	A Tale of Two QBisms (Realism more or less)
11.40 — 13.00	M. Aspelmeyer	How to avoid the appearance of a classical world in gravity experiments
13.00 — 14.30	<i>Lunch Break</i>	
14.30 — 15.50	Antony Valentini	Quantum Gravity and Quantum Probability
15.50 — 17.10	Carlo Rovelli	How to be a realist without wave-function realism
17.10 — 19.00	<i>Round Table I</i>	Space, Time, and Quantum Mechanics V. Lam, A. Valentini, C. Rovelli

Chairs: Laurie Letertre (morning), Cristian Mariani (afternoon), Giuliano Torrenco (round table)

Wednesday 31st, March 2021

9.00 — 10.20	Gerard Milburn	Quantum Agents and the Thermodynamics of Machine Learning
10.20 — 11.40	Michel Bitbol	On a variety of realism that fits with an anti-realist approach of quantum mechanics
11.40 — 13.00	G. Bacciagaluppi & R. Hermens	Bell Inequality Violation and Relativity of Pre- and Postselection
13.00 — 14.30	<i>Lunch Break</i>	
14.30 — 15.50	Wayne Myrvold	The Status of Quantum State Realism
15.50 — 17.10	Angelo Bassi	Present and future precision tests of spontaneous wave function collapse models
17.10 — 19.00	<i>Round Table II</i>	Varieties of Realism in Quantum Physics A. Auffèves, C. Fuchs, W. Myrvold

Chairs: Richard East (morning), Hippolyte Dourdent (afternoon), Claudio Calosi (round table)