



# Foundations of Quantum Physics beyond Bell: Celebrating 60 years of Bell's theorem

## Monday, 15 April 2024

### Talks: Session 1.1 (14:30 - 15:15)

time	[id] title	presenter
14:30	[23] "Impossible measurements"	GISIN, Nicolas

### Talks: Session 1.2 (15:15 - 16:45)

time	[id] title	presenter
15:15	[9] Measurement in quantum field theory	Prof. FEWSTER, Chris
16:00	[25] Impossible measurements revisited	BORSTEN, Leron

### Talks: Session 1.3 (17:15 - 18:45)

time	[id] title	presenter
17:15	[13] Causality in QFT measurements: the scattering paradigm and beyond	PAPAGEORGIU, Maria Eftychia
18:00	[21] TBA	JADRISKO, Valentino

# Tuesday, 16 April 2024

## **Talks: Session 2.1 (09:30 - 11:00)**

time	[id] title	presenter
09:30	[27] Turing, Wigner, Bell: the high frontier for experimental metaphysics	WISEMAN, Howard
10:15	[16] Localization of events in classical and non-classical spacetimes	Prof. BRUKNER, Caslav

## **Talks: Session 2.2 (11:30 - 12:15)**

time	[id] title	presenter
11:30	[18] Wigner's friend's perception and the no-signaling principle	Dr BAUMANN, Veronika

## **Talks: Session 3.1 (16:00 - 16:45)**

time	[id] title	presenter
16:00	[24] Bell's theorem and the scientists who worked on it.	FREIRE, Olival

## **Talks: Session 3.2 (17:15 - 18:45)**

time	[id] title	presenter
17:15	[20] Non-locality, Preferred Foliations, and Emergent Relativity	Prof. MAUDLIN, Tim
18:00	[4] John S. Bell Natural Philosopher	Prof. LAUDISA, Federico

# Wednesday, 17 April 2024

## **Talks: Session 4.1 (09:30 - 11:00)**

time	[id] title	presenter
09:30	[5] Bell's theorem, randomness and secrecy.	Prof. ACÍN, Antonio
10:15	[14] Experimental quantum key distribution certified by Bell's theorem	Prof. SANGOUARD, Nicolas

## **Talks: Session 4.2 (20:30 - 21:45)**

time	[id] title	presenter
20:30	[12] Quantum Network Correlations	Prof. GÜHNE, Otfried
21:15	[26] The Elegant Joint Measurement is Nonlocal in the Triangle Network	GITTON, Victor

# Thursday, 18 April 2024

**Talks: Session 5.2 (09:30 - 11:00)**

time	[id] title	presenter
09:30	[19] Quantum systems as gravitational sources: theory-independent and theory-specific predictions on the nature of gravity	Dr GIACOMINI, Flaminia
10:15	[17] Could Einstein have been right after all?	BRASSARD, Gilles

**Talks: Session 5.1 (11:30 - 12:15)**

time	[id] title	presenter
11:30	[22] A problem with Many Worlds	RENNER, Renato

**Talks: Session 6.1 (16:00 - 16:45)**

time	[id] title	presenter
16:00	[10] MEH	Prof. HUBER, Marcus

**Talks: Session 6.2 (17:15 - 18:45)**

time	[id] title	presenter
17:15	[11] Quantum measurements from the second law of thermodynamics	Dr LOCK, Maximilian
18:00	[6] TBA	Prof. POPESCU, Sandu

# Friday, 19 April 2024

## **Talks: Session 7.2 (09:30 - 11:00)**

time	[id] title	presenter
09:30	[15] Locality and quantum particle statistics	Prof. DAKIC, Borivoje
10:15	[8] Monogamy relations for relativistically causal correlations	Dr WEILENMANN, Mirjam

## **Talks: Session 7.1 (11:30 - 12:15)**

time	[id] title	presenter
11:30	[7] Imprecise measurements in entanglement and steering tests	Prof. TAVAKOLI, Armin