



Huddle on Quantum Entanglement and Spacetime

DESCRIPTION:

The goal of the huddle is to discuss different approaches to quantum entanglement coming from diverse perspectives including high-energy, condensed matter and statistical physics backgrounds.

MORE INFORMATION:

The huddle is being organized around the Dirac Medal Ceremony (2 April at 2 PM), which is being awarded for insights on quantum entropy in gravity and quantum field theories.

TOPICS:

- Entanglement in Quantum Field Theory
- Symmetry resolved entanglement measures
- Quantum information tools in many-body systems
- Entanglement in Quantum Gravity and Holography
- Entanglement entropy in String Theory

SPEAKERS:

Filiberto Ares, SISSA
Valentin Benedetti, ICTP
Atish Dabholkar, ICTP
Ohad Mamroud, SISSA
Upamanyu Moitra, UVA
Thomas Müller, ICTP
Neil Talwar, SISSA
Emanuele Tirrito, ICTP
Erik Tonni, SISSA



27 March - 4 April 2025



Trieste, Italy

LOCAL ORGANISERS:

Valentin Benedetti, ICTP
Atish Dabholkar, ICTP
Eleanor Harris, ICTP
Neil Talwar, SISSA

FURTHER INFORMATION:

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