Bonn 2020 – SYEN Overview

Symposium Entanglement (SYEN)

jointly organised by the Theoretical and Mathematical Physics Division (MP), the Gravitation and Relativity Division (GR), and the Working Group on Philosophy of Physics (AGPhil)

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"Entanglement" has gone a long way from a puzzle about some peculiar quantum mechanical states, triggering illustrous disputes about the interpretation of QM, to a dominant effect in finite-temperature solid-state physics, a resource in quantum computation, a driving agent in black hole thermodynamics, and a tool in quantum measurement. The symposium aims to present some of these amazing facets with interest to many communities.

Overview of Invited Talks

(Lecture hall J-HS D, Adenauerallee 24-42)

Invited Talks

SYEN 1.1	Thu	11:00-11:40	J-HS D	Entanglement and Complexity in Quantum Many-Body Systems — •TOMAZ PROSEN
SYEN 1.2	Thu	11:40-12:20	J-HS D	Entanglement and Explanation — •CHRIS TIMPSON
SYEN 1.3	Thu	12:20-13:00	J-HS D	Production and observation of entanglement in quantum optics —
				•Roman Schnabel