

WILHELM UND ELSE
HERAEUS-STIFTUNG



2025
Quantum2025

The Mathematical Foundations of Quantum Mechanics

835. WE-Heraeus-Seminar

Physikzentrum Bad Honnef, 25.-28. May 2025



INTERNATIONAL YEAR OF
Quantum Science
and Technology

After roughly 100 years of the development and application of quantum mechanics it is time to explore the impact of the early seminal contributions by John von Neumann on current research, appreciate his broad impact on physics, and outline the relation of his work in other fields with physics.

John von Neumann and his Impact on Physics in 2025

Invited Speakers: M. Brune (Paris), D. Bruß (Düsseldorf),
D. DiVincenzo (Jülich), M. Janssen (Wisconsin),
T. Kjeldsen (Copenhagen), P. Lahti (Turku), R. Longo (Rome),
L. van Lujik (LU Hannover), K Nowrouzi (Berkeley),
R. Renner (Zurich), V. Scarani (Singapore),
A. Widera (Kaiserslautern), B. von Stengel (London)

