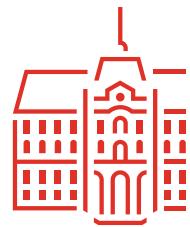


Waiting for thermalization in Bled:

Quantum many-body scars, Hilbert-space fragmentation and kinetically constrained models



In recent years, there has been growing interest in understanding the mechanisms that prevent thermalization in quantum many-body systems. Dynamical systems exhibiting quantum many-body scars, Hilbert-space fragmentation, and kinetically constrained dynamics have revealed unexpected nonergodic behavior, with implications for quantum information, condensed-matter physics, and statistical mechanics. Such systems will be the focus of this conference.

The aim is to foster in-depth discussions and new collaborations in a focused, interactive setting, as well as to highlight the work of early-career researchers.

CONFIRMED SPEAKERS

Sreemayee Aditya (DE)

Pasquale Calabrese (IT)

Jean-Yves Desaules (AT)

Paul Fendley (UK)

Juan P. Garrahan (UK)

Lorenzo Gotta (CH)

Dávid Horváth (UK)

Enej Ilievski (SLO)

Hosho Katsura (JP)

Márton Kormos (HU)

Vanja Marić (SLO)

Balázs Pozsgay (HU)

Tommaso Roscilde (FR)

Stefano Scopa (FR)

Riccardo Senese (IT)

Maksym Serbyn (AT)

Hernan B. Xavier (IT)

TOPICS

- Quantum many-body scars
- Hilbert-space fragmentation
- Kinetically constrained dynamics
- Slow thermalization
- Noninvertible symmetries
- Disorder-free localization
- Closed and open many-body systems
- Integrable and chaotic dynamics



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