

School on Quantum Many-Body Phenomena out of Equilibrium: from Chaos to Criticality



21 August - 1 September 2023
An ICTP Meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/10201/>
smr3867@ictp.it

The goal of this school will be to give an overview of frontier research topics in the context of non-equilibrium quantum many-body dynamics and present a series of theoretical lectures and seminars covering experimental platforms.

Topics:

- Dynamics close to equilibrium and many-body quantum chaos
- Thermalization and scars
- Dynamics of disordered systems
- Scrambling in quantum systems
- Dynamics and hydrodynamics of nearly integrable systems
- Open quantum systems
- Measurement induced phase transitions
- Numerical methods
- Experimental platforms

Directors:

S. CHOI, MIT, USA
Z. LENARČIČ, Jožef Stefan Institute, Slovenia
H. PICHLER, University of Innsbruck, Austria
A. SILVA, SISSA, Italy

Local Organiser:

R. FAZIO, Italy

Speakers:

D. ABANIN, Switzerland
P. CAPPELLARO, USA
J. DE NARDIS, France
S. DIEHL, Germany
M. ECKSTEIN, Germany
M. ENDRES, USA
D. FAUSTI, Germany
J. LEONARD, Austria
S. MONTANGERO, Italy
G. PAGANO, USA
A. POLKOVNIKOV, USA
T. PROSEN, Slovenia
M. RINGBAUER, Austria
R. VASSEUR, USA
N. YAO, USA

How to apply:

Online application:
<http://indico.ictp.it/event/10201/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadlines:

15 May 2023

for applicants requesting financial and/or visa support

1 July 2023

for all other applicants

