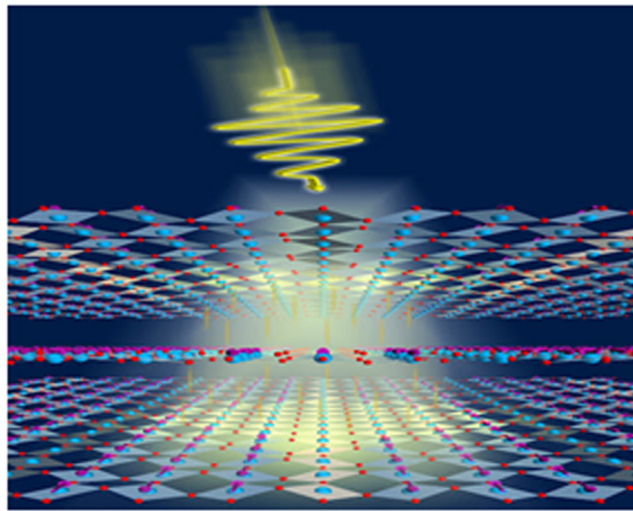
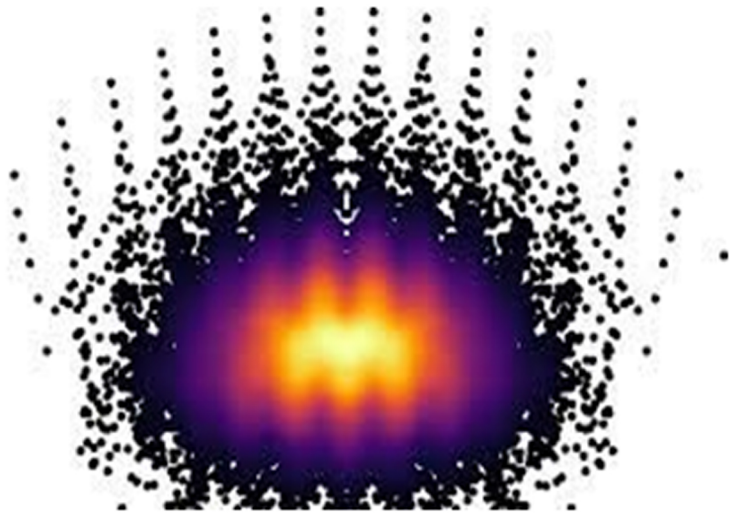


MAGLAB THEORY (VIRTUAL) WINTER SCHOOL

January 10-14, 2022

NATIONAL HIGH MAGNETIC FIELD LABORATORY - TALLAHASSEE, FL

NON-EQUILIBRIUM QUANTUM MATTER



The National High Magnetic Field Lab in Tallahassee, Florida will hold its tenth annual Theory Winter School virtually from January 10 to 14, 2022. This year's theme is non-equilibrium quantum matter. We aim to communicate exciting new developments in this area of condensed matter physics to a wide audience. Many aspects of this subject (eigenstate thermalization, many-body localization, quantum scars, Floquet theory, random circuits, etc.) have become active research areas thanks to new analytic insights and computational algorithms. We will initiate dialogue among various subfields and between theory and experiment, with an eye on simulating non-equilibrium dynamics on intermediate-scale quantum computers.

Confirmed Lecturers:

- Anushya Chandran
- Fabian Essler
- Stephen Hill
- Joel Moore

*Boston University
Oxford
FSU and NHMFL
UC Berkeley*

- Adam Nahum
- Pedram Roushan
- Maksym Serbyn
- Romain Vasseur

*ENS Paris
Google
IST Austria
UMass Amherst*

Registration Deadline: November 15, 2021 (subject to space limit)

For more information visit <https://nationalmaglab.org/theory-winter-school>

Registration is free, but is required to obtain the Zoom link.

Organizers:

Hitesh Chaglani *FSU and NHMFL*
Vedika Khemani *Stanford*
Roderich Moessner *MPIPKS Dresden*
Kun Yang *FSU and NHMFL*

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