

CTQM 2020

Hector Fellow Academy

Common Trends in Quantum Matter



Correlated Electron Systems, Ultracold Gases, and Clusters of Ions

Hector Workshop May 17-20 2020

Harnack House of the Max Planck Society Berlin Germany

The aim of the interdisciplinary Hector Workshop "Common Trends in Quantum Matter: Correlated Electron Systems, Ultracold Gases, and Clusters of Ions (CTQM 2020)" is to bring scientists together who are working in different fields of quantum matter.

We intend to enhance our understanding of how quantum phenomena occurring in ultracold gases, as well as bulk and nanoscale matter are interwoven. Besides experimentalists working in these fields, we have invited theorists to give overviews over the pertinent models of interacting quantum matter.

The workshop will be open to advanced PhD students, postdocs, and scientists working on or interested in the properties of quantum matter.

Invited Speakers

Monika Aidelsburger, LMU München
Ehud Altman, UC Berkeley
Meigan Aronson, University of British Columbia
Bela Bauer, Microsoft Research, Santa Barbara
Antoine Browaeys, CNRS Palaiseau
Piers Coleman, Rutgers University
Eugene Demler, Harvard University
Claudia Felser, MPI CPfS Dresden
Christian Gross, Universität Tübingen
Gil Lonzarich, Cambridge University
Yuji Matsuda, Kyoto University
Frank Pollmann, TU München

Achim Rosch, Universität zu Köln
Subir Sachdev, Harvard University
Christophe Salomon, ENS Paris
Elke Scheer, Universität Konstanz
Jörg Schmalian, KIT
Klaus Sengstock, Universität Hamburg
Qimiao Si, Rice University, Houston
Frank Steglich, MPI CPfS Dresden
Dieter Vollhardt, Universität Augsburg
Wolfgang Wernsdorfer, KIT
Martin Zwierlein, MIT

Organizers Immanuel Bloch (MPQ, LMU) Manfred Kappes (KIT) Hilbert v. Löhneysen (KIT)

For information and online registration please visit <https://ctqm.phi.kit.edu>