

Intensive Week

Phase Transitions in Atomic and Photonic Matter

Lecturers:

Maria Daghofer (Stuttgart):

General properties and tricky aspects of thermal phase transitions

Sebastian Klemmt (Würzburg):

Topological physics with light: Topological edge and corner modes in polariton lattices

Julian Léonard (Vienna):

Quantum phase transitions in optical lattices

Milan Radonjić (Hamburg):

Nonequilibrium quantum phase transitions in atom-optomechanical systems

Carlos Sá de Melo (Atlanta):

From BCS to Bose superfluidity in two-dimensional Fermi gases: Renormalization group and tighter upper bounds for the critical temperature

Ednilson Santos (São Carlos):

Mathematical methods for quantum phase transitions in optical lattices

Date:

August 19-23, 2024

Location:

Erwing Schrödinger Straße 76 (LASE),
RPTU Kaiserslautern-Landau (Germany)

