



Workshop “Nanoscale Quantum Materials “

We cordially extend an invitation to our forthcoming Workshop on quantum materials, focusing on the cutting-edge developments in the experimental exploration of nanoscale quantum materials.

When: 21. & 22.09.2023, 10:00–12:25

Where: REC / C-Wing / HS 213

21.09.2023

10:00 – 10:45

Dr. Niels Schröter

MPI of Microstructure Physics, Halle

Title: "Embrace the interface!"

Nanoscale quantum materials at the intersection of topology, correlations, and magnetism

10:50 – 11:35

Dr. Aparajita Singha

MPI for Solid State Research, Stuttgart

Title: "Non-invasive Quantum Sensing and Coherent Control of Surface-Supported Spin Systems"

11:40 – 12:25

Prof. Ajit Srivastava

Department of Physics Emory University, USA, Atlanta

Title: "Towards On-demand Quantum Matter and Light with 2D Materials"

22.09.2023

10:00 – 10:45

Dr. Paolo Sessi

MPI of Microstructure Physics, Halle

Title: “Visualizing topological states of matter with local probes”

10:50 – 11:35

Prof. Martina Müller

University of Konstanz, Physics of Complex Materials Group

Title: “X-Ray Views on Functional Quantum Materials”

11:40 – 12:25

Prof. Hryhoriy Polshyn

Institute of Science and Technology, Austria

Title: “Topological electronic phases in van der Waals moiré heterostructures”