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"
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Title</th>
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<tr>
<td>10:00 – 10:45</td>
<td>Dr. Paolo Sessi</td>
<td>MPI of Microstructure Physics, Halle</td>
<td>“Visualizing topological states of matter with local probes”</td>
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<td>10:50 – 11:35</td>
<td>Prof. Martina Müller</td>
<td>University of Konstanz, Physics of Complex Materials Group</td>
<td>“X-Ray Views on Functional Quantum Materials”</td>
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<td>11:40 – 12:25</td>
<td>Prof. Hryhoriy Polshyn</td>
<td>Institute of Science and Technology, Austria</td>
<td>“Topological electronic phases in van der Waals moiré heterostructures”</td>
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