Hamburg Photon Science Colloquium

FUNCTION FOLLOWS FORM: SHAPE CONTROLLING QUANTUM MATERIALS

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The electronic functionality of quantum materials is governed by their physical shape. Focused Ion Beams are a promising technology to shape chemically complex crystals on the micron scale in 3D. I will review examples in which the shape dictates electronic properties of topological, ballistic and strongly correlated conductors, giving a taste of the upcoming activities at the new „microstructured quantum matter“ department at the Max Planck Institute for the Structure and Dynamics of Matter (MPSD).

FRIDAY,
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2:00 PM

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