Hamburg Photon Science Colloquium

MICROSCOPY WITH A TWIST - EXPLORING RECIPROCAL SPACE BY TUNNELING

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Twisted bilayer graphene opened a new world of engineered quantum materials and quantum phases of matter. The recently developed quantum twisting microscope (QTM) leverages these developments for a new tunneling probe of van der Waals materials, combining spatial resolution with direct access to reciprocal space. This talk will discuss this exciting new technique from a theoretical perspective, including elastic and inelastic spectroscopy of electron and collective-mode dispersions.

FRIDAY,
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2:00 PM

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