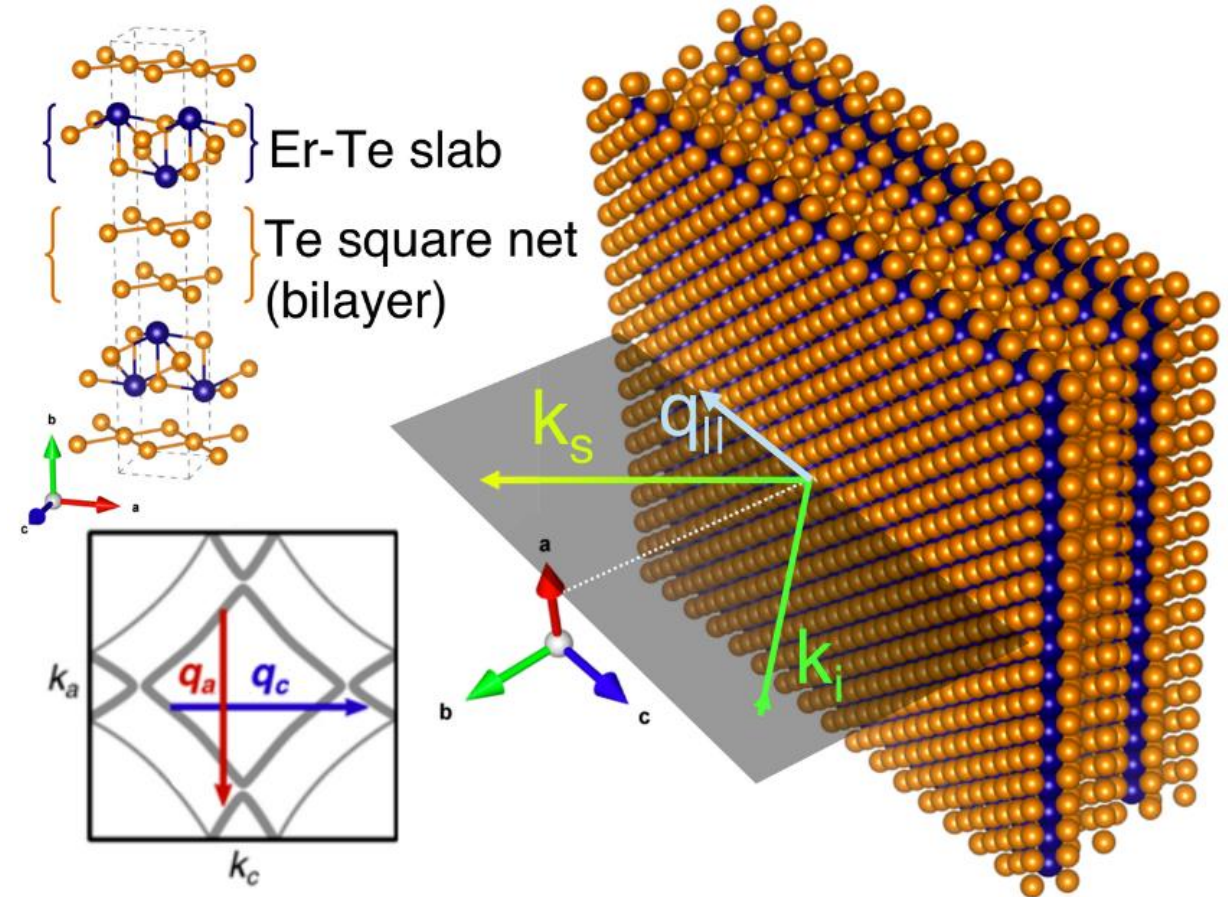


Quantum Sensing and Quantum Materials (QSQM)

Peter Abbamonte (University of Illinois); Class: 2020-2026

MISSION: To apply advanced scattering and scanning probe spectroscopy techniques to study charge dynamics in quantum materials.

RESEARCH PLAN: The QSQM aims to use advanced scattering and scanning probe spectroscopy techniques to measure the fundamental charge excitations in the latest generation of quantum materials, including strange metals, charge density wave materials, interacting topological phases, focusing on quantifying the degree of quantum entanglement and information density.



<https://iquist.illinois.edu/programs/qsqm>

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