



Sonderkolloquium

Ultrafast electron calorimetry: Uncovering new light-induced phases in magnetic and 2D materials

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Under thermal equilibrium conditions, materials can be tuned by varying the temperature, pressure, chemical doping or dimensionality. Ultrafast light sources are providing powerful new tools for coherently manipulating and probing quantum materials. We have developed a powerful new method called ultrafast electron calorimetry that can uncover hidden phases in magnetic and charge density wave materials.