

## THEORETISCH PHYSIKALISCHES KOLLOQUIUM

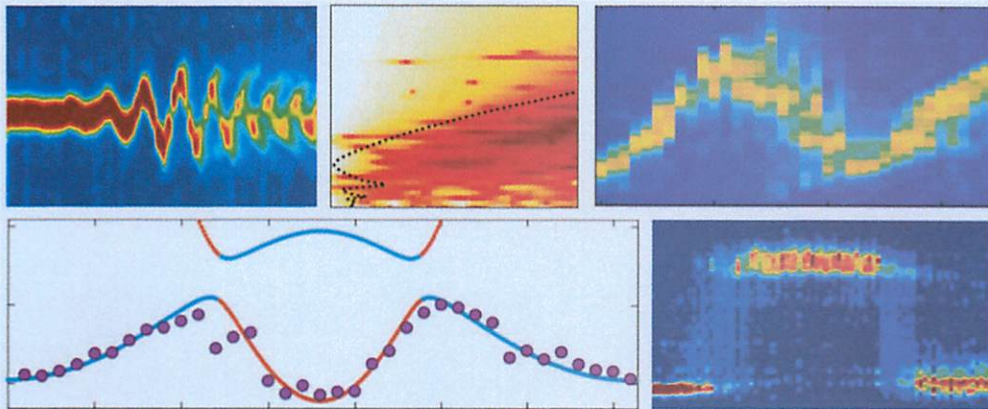
Donnerstag, den 11.07.2019 um 15:30 Uhr in Raum 46-576

**Probing Quantum Dynamics in Strongly-driven Optical Lattices**

**Prof. Dr. David Weld**

University of California Santa Barbara, USA

Degenerate lithium in modulated optical lattices makes a near-ideal testbed for the experimental study of quantum matter driven far from equilibrium. I will present a sequence of experimental results starting with the first realization of a relativistic harmonic oscillator, moving on to Floquet engineering of band structure and transport properties, and concluding with a mapping of the properties and evolution of interacting prethermal Floquet matter.



Gäste sind herzlich willkommen.

Die Dozenten der Theoretischen Physik