Seminarankündigung

Dienstag, 16. Januar 2018
13:00 Uhr

WSI, Seminarraum S 101

“New insights into novel (and conventional) materials using polarization-sensitive infrared magneto-spectroscopy”

By measuring the change in the polarization of transmitted and/or reflected infrared (10-130 meV) light in the presence of a magnetic field, infrared Hall studies have enlightened our understanding of a variety of interesting materials including high temperature superconductors, diluted magnetic semiconductors, and graphene. Even an ordinary two-dimensional electron gas formed at a GaAs/AlGaAs heterojunction recently has shown unexpected features in the infrared Hall signal. In this talk I will discuss cyclotron resonance measurements in graphene and GaAs, where we see rich and sometimes surprising behavior.
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