北京大学量子材料科学中心

International Center for Quantum Materials, PKU

Special Seminar

Nonequilibrium and anisotropic transport in semiconductor heterostructures

Michael Zudov

School of Physics and Astronomy University of Minnesota

Time: 10:00am, April 13, 2016 (Wednesday)

 $: 2016 \quad 4 \quad 13 \qquad (\equiv 10:00)$

Venue: w563, Physics building, Peking University

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Abstract

Two-dimensional electron and hole gases formed in semiconductor heterostrutures host a rich variety of transport phenomena, such as quantum Hall effects and stripe phases at high magnetic fields and microwave-induced resistance oscillations and zero-resistance states at low magnetic fields. This talk will discuss recent developments in GaAs/AlGaAs and Ge/SiGe quantum wells, focusing on microwave photoresistance and transport anisotropies in tilted magnetic fields.

About the Speaker