

# NTH Group Meeting „Nanoprobes for Quantum Phenomena“

9.4.2014, TU Braunschweig

MS3.3, Physics Center, Mendelssohnstr. 3, 38106 Braunschweig

10:00 – 10:15 Coffee

10:15 – 10:20 Opening

10:20 – 10:40 Heine

*Influence of magnetic fields on Kondo effect in a quantum dot*

10:40 – 11:00 Kraus

*Ga<sub>x</sub>In<sub>1-x</sub>N/GaN heterostructures across the full range of composition*

11:00 – 11:20 Pfnür

*Molekulare Elektronik*

11:20 – 11:40 Smirnov

*Aharonov-Bohm effect in graphene rings*

11:40 – 12:40 Posters

11 contributions from: Celan (1), Haug (2), Lemmens (1), Park (1), Pfnür (2),  
Silvestrov (1), Ström (1), Willenberg (1), Yan (1)

(In parallel: PI's discussion on project status and future funding)

12:40 – 13:40 Lunch

13:40 – 14:00 Posters

14:00 – 14:20 Borkenhagen

*In-situ microscopic investigation of the role of hydrogen for native oxide removal from Si(100)*

14:20 – 14:40 Weithofer

*Full counting statistics in multiterminal networks of Majorana bound states*

14:40 – 15:00 Steinigeweg

*Spin-current autocorrelations from single pure-state propagation*

15:00 – 15:30 Coffee & Posters

15:30 – 15:50 Stallberg

*Multi-photon PEEM of porphyrin thin films in contact with Ag nanostructures*

15:50 – 16:10 Probst

*Controlling spin polarization of a quantum dot via a helical edge state*

16:10 – 16:30 Schroer

*Detection of spin entanglement via spin-charge separation in crossed TLLQs*

16:30

Closing