



 **WORKSHOP 2006**

13.10. 2006 –14.10.2006

im
Waldhotel Zollernblick
Freudenstadt-Lauterbad
Schwarzwald

Programm

Freitag 13.10.2006

10:30 – 11:25	Andreas Wallraff (ETH Zürich) <i>Quantum Optics and Quantum Information Processing with Superconducting Circuits</i>	
11:25 – 11:50	Stefan Jauerneck (Tü) <i>Rauschmessungen an mesoskopischen Elektronensystemen</i>	A1
11:50 – 12:15	Tobias Koch (S) <i>Comparing contact and dipolar interaction in a Cr-BEC</i>	A2
12:15 – 13:15	Mittagspause	
13:15 – 13:40	Martin Dressel (S) <i>Progress Report on A3: Coherent coupling of molecular magnets</i>	A3
13:40 – 14:05	Ulrich Raitzsch (S) <i>Interacting Rydberg Atoms In A Bose-Einstein-Condensate</i>	A4
14:05 – 14:30	Tobias Gaber (Tü) <i>Fractional Vortices: From classics towards the quantum regime</i>	A5
14:30 – 14:55	Michael Grupp (Ulm) <i>Feshbach resonances in lattices</i>	B1
	Farshid Karim Pour (S) <i>Supersolids in confined fermions on one-dimensional optical lattices</i>	B1
14:55 – 15:20	Luis Santos (Hannover) <i>Ultracold atoms in non-standard optical lattices</i>	B2
15:20 – 15:50	Pause	
15:50 – 16:45	Chris Westbrook (Institut d'Optique, Centre scientifique d'Orsay, France) <i>Producing and detecting correlated atoms</i>	
16:45 – 17:10	Salvatore Manmana (S) <i>Relaxation through a metal-insulator transition via a quantum quench</i>	B4
17:10 – 17:35	Michael Eckart (Ulm) <i>The cross-over from weakly to strongly correlated bosons in a quasi-1D geometry - Probing the limits of an extended mean-field theory in reduced dimensions</i>	B5
17:35 – 18:30	Pause	
18:30	Abendessen	

Programm

Samstag 14.10.2006

08:30 – 09:25	Silvano De Franceschi (TASC National Laboratory, Trieste) <i>Kondo effect and superconductivity in nanowires and nanotubes</i>	
09:25 – 09:50	Ulrich Vogl (Tü) <i>Polaritonen unter Hochdruck</i>	C1
09:50 – 10:15	Claus Hermannstaedter (S) <i>Time-resolved optical spectroscopy of electric-field controlled emission from laterally coupled quantum dots</i>	C3
10:15 – 10:40	Lijuan Wang (MPI-FKF) <i>Lateral coupling in GaAs quantum dot molecules</i>	C3
10:40 – 11:05	Pause	
11:05 – 12:00	Gilles Nogues (ENS Paris) <i>Atom chip trapping of atoms in a cryogenic environment</i>	
12:00 – 12:25	Torsten Gaebel (S) <i>Coherent coupling between single spins in diamond</i>	C4
12:25 – 12:50	Ulrich Poschinger (Ulm) <i>Optimization of transport and splitting of linear ion strings</i>	C5
12:50	Mittagessen	