

## Meeting of the SFB/TRR49 in Waldthausen, September 25 - 26, 2008

### *Programme*

#### **Thursday, September 25, 2008**

8:30 – 9:30	<i>Breakfast</i>	
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#### **Cold Gases**

10:00 – 10:05	M. Lang (Welcome)	
10:05 – 10:30 (15+10)	I. Bloch (A1)	Fermionic Mott insulators
10:30 – 10:55 (15+10)	J. Sherson (A2)	Towards single site addressability in optical lattices
10:55 – 11:20 (15+10)	M. Snoek (A3)	Real-Space Dynamical Mean Field Theory for Strongly Interacting Atoms in Inhomogeneous Optical Lattices
11:20 – 11:35	<i>Break</i>	
11:35 – 11:55 (15+5)	M. Fleischhauer (A5)	Ground-state and dynamical properties of trapped 1D Bose and Fermi gases
11:55 – 12:15 (15+5)	S. Eggert (A5)	Density distribution in the finite 1D Hubbard Model
12:15 – 12:40 (15+10)	E. Gorelik (A6)	Fermionic Mott transitions at variable spin/orbital degeneracy
12:40 – 13:45	<i>Lunch</i>	

#### **Magnets**

13:45 – 14:10 (15+10)	O. Serha (A7)	Collective effects and instabilities of a magnon gas
14:10 – 14:35 (15+10)	P. Kopietz (A8)	Spectral function and quasiparticle damping of the interacting Bose gas in two dimensions
14:35 – 15:00 (15+10)	U. Tutsch (B1)	Field-induced phase transition in a 2-dimensional spin-dimer system
15:00 – 15:25 (15+10)	S. Eggert (B3)	Universal impurity properties in ordered antiferromagnets
15:25 – 16:00	<i>Coffee-break</i>	
16:00 – 16:25 (15+10)	F. Ritter (B4)	Mixed Crystal formation within the system $\text{Cs}_2\text{Cu}(\text{Cl},\text{Br})_4$
16:25 – 16:55 (20+10)	M. Baumgarten/M. Wagner (B5)	to be announced

16:55 – 17:40	<b>Poster Flash Presentations</b>	
17:40 – 18:00	<i>Break</i>	
18:00 – 19:00	<b>Mitgliederversammlung</b>	
19:00 – 20:00	<i>Dinner</i>	
after 20:00	<b>Poster session</b>	

**Friday, September 26, 2008**

**Charge-transfer Salts**

9:00 – 9:25 (15+10)	H. Jeschke (B2)	Molecular dynamics for correlated systems
9:25 – 9:50 (15+10)	M. de Souza (B6)	Collective phenomena in organic CT salts close to the Mott transition
9:50 – 10:15 (15+10)	M. Aeschlimann (B8)	Photoemission spectroscopy and femtosecond dynamics in organic CT salts
10:15 – 10:45	<i>Coffee-break</i>	
10:45 – 11:25 (30+10)	J. Müller	Fluctuation spectroscopy on quasi-two-dimensional organic conductors
11:25 – 11:50 (15+10)	V. Levitan (B9)	Thin films of charge transfer salts: First results on [BEDT-TTF] [TCNQ]
11:50 – 12:15 (15+10)	C. Felser (B10)	Components for new charge transfer salts
12:15 – 13:30	<i>Lunch</i>	