

11th Annual Retreat of the SFB/TR 49, Leonardo Hotel, Heidelberg-Walldorf, September 21 – 22, 2017

Programme (preliminary)

Thursday, September 21, 2017

1. Charge-Transfer Salts		
09:45 (5)	Michael Lang	<i>Welcome</i>
09:50 (13+7)	Kira Riedl/Ying Li (B2)	<i>to be announced</i>
10:10 (13+7)	Elena Gati (B6)	<i>Electronically-driven ferroelectricity in the quasi-two dimensional organic charge-transfer salt κ-(BEDT-TTF)₂Hg(SCN)₂Cl</i>
10:30 (13+7)	Sergey Babenkov (B8)	<i>to be announced</i>
10:50 (20)	Coffee Break	
11:10 (13+7)	Lukas Keller (B9)	<i>Thin film investigations on ferroelectric organic charge transfer systems</i>
11:30 (13+7)	Jens Müller (B11)	<i>Charge carrier dynamics in organic charge-transfer salts studied by fluctuation spectroscopy</i>
11:50 (13+7)	Hans-Joachim Elmers (B12)	<i>Spectromicroscopy of in-situ cleaved κ-(BEDT-TTF)₂-X organic superconductors</i>
12:10 (65)	Lunch	

2. Quantum Spin Systems		
13:15 (13+7)	Lars Postulka (B1)	<i>to be announced</i>
13:35 (13+7)	Sebastian Eggert (B3)	<i>The dynamic structure factor in impurity doped spin chains</i>
13:55 (13+7)	Pascal Pupal (B4)	<i>Single crystal growth of Cu based quantum spin systems</i>
14:15 (13+7)	Martin Baumgarten (B5)	<i>Organic biradical networks</i>
14:35 (13+7)	Stephen Winter (B13)	<i>to be announced</i>
14:55 (10)	Break	

15:05 (40)	Poster Flash Presentations	
15:45 (30)	Coffee Break	

16:15 (90)	Mentoring (1+2)
17:45 (30)	Break

18:15 (75)	Mitgliederversammlung
19:30 (45)	Dinner

20:15	Poster Session
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Friday, September 22, 2017

until 09:00	Breakfast
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3. Magnon Gases		
09:00 (13+7)	Oleksandr Serha (A7)	<i>Non-local measurements of a supercurrent spin transport in a room temperature Bose-Einstein magnon condensate</i>
09:20 (13+7)	Peter Kopietz (A8)	<i>Magnon condensation and quantum spins in low dimensions</i>

4. Ultracold Gases & Cold Ion Crystals		
09:40 (18+7)	Arya Dhar (A3)	<i>Quench dynamics of interacting bosonic systems</i>
10:00 (13+7)	Sebastian Eggert (A5)	<i>Large scale numerical simulations for the dimensional crossover</i>
10:20 (30)	Coffee Break	
10:50 (13+7)	Herwig Ott (A9)	<i>An optical Feshbach resonance with Rydberg molecules</i>
11:10 (13+7)	Ferdinand Schmidt-Kaler (A10)	<i>Spin-motion coupling in planar ion crystals</i>
11:30 (13+7)	Artur Widera (A12)	<i>Spin dynamics of individual neutral impurities coupled to a Bose-Einstein condensate</i>
11:50 (5)	Michael Lang	<i>Concluding remarks</i>
11:55 (65)	Lunch	

13:00 (45)	Mentoring (3)
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