

**9th Annual Retreat of the SFB/TR 49, Ysenburger Hof, Langenselbold,
September 24 – 25, 2015**

Programme

Thursday, September 24, 2015

1. Ultracold Gases & Cold Ion Crystals		
10:00 (5)	Michael Lang	<i>Welcome</i>
10:05 (13+7)	Walter Hofstetter (A3)	<i>Interacting topological states in synthetic gauge fields</i>
10:25 (13+7)	Sebastian Eggert (A5)	<i>Title A5</i>
10:45 (13+7)	(A9)	<i>Title A9</i>
11:05 (25)	Coffee Break	
11:30 (13+7)	F. Schmidt-Kaler (A10)	<i>Rydberg ions for long-range interactions and mode-design in ion crystals</i>
11:50 (13+7)	Artur Widera (A12)	<i>Dynamics of Single Impurities With and Without a Bath</i>

2. Quantum Spin Systems (I)		
12:10 (13+7)	(B1)	<i>Title B1</i>
12:30 (13+7)	(B3)	<i>Title B3</i>
12:50 (70)	Lunch	

3. Quantum Spin Systems (II)		
14:00 (12+8)	Cornelius Krellner (B4)	<i>Single crystal growth of tunable quantum spin systems</i>
14:20 (12+8)	(B5)	<i>Title B5</i>

14:40 (50)	Poster Flash Presentations	
15:30 (30)	Coffee Break	

16:00 (90)	Mentoring (1)
17:30 (30)	Break

18:00 (75)	Mitgliederversammlung
19:15 (60)	Dinner

20:15	Poster Session
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Friday, September 25, 2015

XX:XX – 09:00	Breakfast
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3. Magnon Gases		
09:00 (13+7)	(A7)	<i>Title A7</i>
09:20 (13+7)	Peter Kopietz (A8)	<i>Recent progress with magnon condensation and dilute bosons</i>

4. Charge-Transfer Salts		
09:40 (18+7)	Daniel Guterding (B2/B13)	<i>Microscopic modelling of exotic properties in frustrated systems: triangular and kagome lattices</i>
10:05 (13+7)	(B6)	<i>Title B6</i>
10:25 (20)	Coffee Break	
10:45 (13+7)	(B8)	<i>Title B8</i>
11:05 (13+7)	Michael Huth (B9)	<i>Title B9</i>
11:25 (13+7)	Benedikt Hartmann (B11)	<i>Mott Criticality in κ-(BEDT-TTF)₂Cu[N(CN)₂]Br: Utilizing Glass-Like Structural Ordering</i>
11:45 (13+7)	(B12)	<i>Title B12</i>
12:05 (5)	Michael Lang	<i>Concluding remarks</i>
12:10 (65)	Lunch	

13:15 (45)

Mentoring (2)