

## SFB FoQuS meeting

16.-17.05.2013

Faculty of Physics, University of Vienna, Boltzmannngasse 5, 1090 Wien  
lecture room: Lise Meitner Hörsaal, 1st floor

Thursday, 16.05.2013

<b>13:30-14:15</b>	<i>Achim Kempf</i>	Quantum gravity on a quantum computer?
14:15-14:35	<i>James Whitfield</i>	Symmetry adapted states in quantum computational simulations
14:35-14:55	<i>Max Tillman</i>	Experimental Boson Sampling
<b>14:55-16:45</b>		<b>coffee break with poster session and lab tours</b>
<b>16:45-17:30</b>	<i>Gerhard Kirchmair</i>	Single photon Kerr effect and deterministic Schrödinger cat creation in circuit QED
17:30-17:50	<i>Garret D. Cole</i>	Minimizing thermal noise with monocrystalline mirrors
17:50-18:10	<i>Lars Bonnes</i>	Dynamics in Dissipative Quantum Chains

19:00 Dinner at Heuriger Hengl-Haselbrunner, Iglaseegasse 10  
<http://www.hengl-haselbrunner.at/>

Friday, 17.05.2013

8:30-9:15		SFB business meeting
<b>9:20-10:05</b>	<i>Ben Buchler</i>	A programable quantum memory for light & optical control of nano-wires
10:05-10:25	<i>David Marcos</i>	Quantum Simulation of Lattice Gauge Theories
10:25-10:45	<i>Leonid Sidorenkov</i>	Second sound
<b>10:45-11:35</b>		<b>coffee break with poster session and lab tours</b>
<b>11:35-12:20</b>	<i>Andrei Khrennikov</i>	Comparison of von Neumann and Lüders projection postulates
12:20-12:40	<i>Igor Pikovski</i>	Probing Planck-scale physics with quantum optics
12:40-13:00	<i>Michalis Skotiniotis</i>	Lie Algebraic approach to parameter estimation

### Organizational information

trains on Thursday from Innsbruck to Vienna:

07:08-12:00 (IC), **08:09-12:24 (RJ)**, 09:08-14:00 (IC), 10:09-14:24 (RJ)

trains on Friday from Vienna to Innsbruck:

13:36-17:51(RJ), 13:56-18:51(IC), **15:36-19:51(RJ)**, 15:56-20:51(IC), 17:36-21:45 (RJ)

Directions for location of dinner at Heuriger Hengl-Haselbrunner  
see next page

Directions for location of dinner at Heuriger Hengl-Haselbrunner, Iglaseegasse 10, 1190 Wien



Take tram **38** from station "Spitalgasse /Währingerstr." in the direction of "Grinzing"  
Get off at station "Oberdöbling (S-Bhf.)"  
Walk approx. 10 minutes (Zehenthofgasse->Iglaseegasse)  
(Altogether you need 25 minutes)