

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

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|--------------------|--------------------------|---|
| 13:30-14:15 | <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 |
| 14:55-16:45 | | coffee break with poster session and lab tours |
| 16:45-17:30 | <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

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| 8:30-9:15 | | SFB business meeting |
| 9:20-10:05 | <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 |
| 10:45-11:35 | | coffee break with poster session and lab tours |
| 11:35-12:20 | <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:

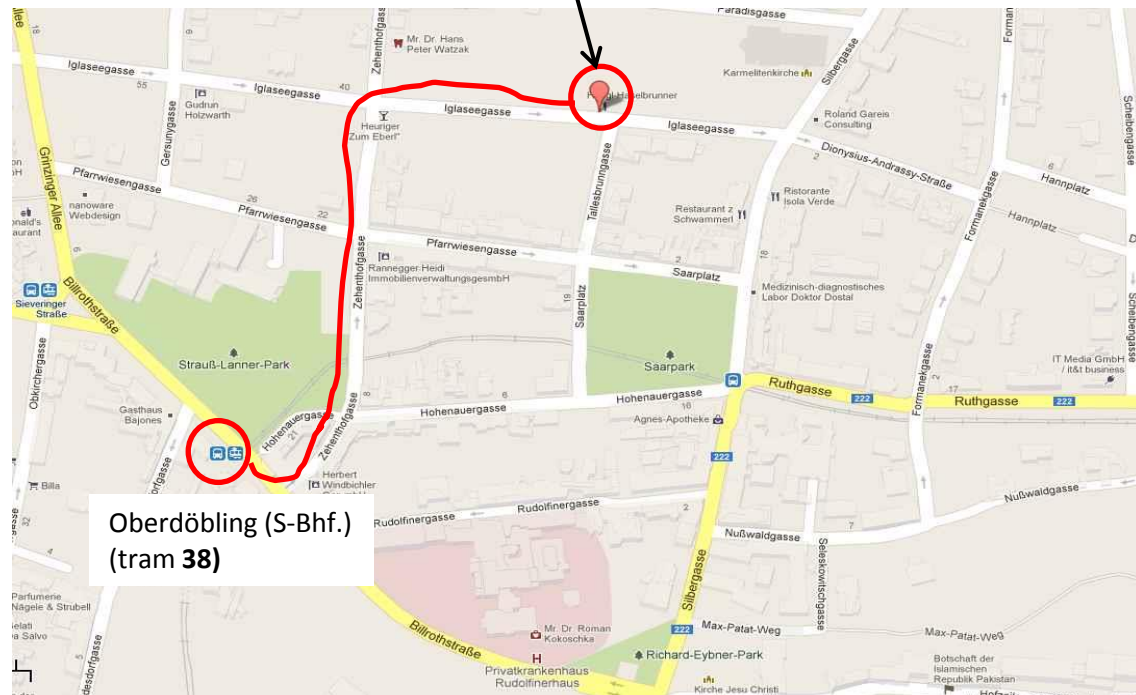
07:08-12:00 (IC), **08:09-12:24 (RJ)**, 09:08-14:00 (IC), 10:09-14:24 (RJ)

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 (Zehnthofgasse->Iglaseegasse)
(Altogether you need 25 minutes)