

SFB meeting (December 13th-14th 2012)

Thursday, December 13

- 13:30 – 13:55** Pjotr Grisins, TU Vienna
Coherence and Josephson oscillations between two tunnel-coupled one-dimensional atomic quasicondensates at finite temperature
- 13:55 – 14:20** Andreas Stute, U Innsbruck
An ion-photon quantum interface
- 14:20 – 15:10** Ronald Hanson, TU Delft
Heralded entanglement between solid-state qubits separated by 3 meters
- 15:10 – 16:20** Coffee break + Poster session
- 16:20 – 17:10** Immanuel Bloch, MPQ Garching
Probing and Controlling Quantum Matter
- 17:10 – 17:35** Philipp Schneeweiss, TU Vienna
Coherent manipulation of cold cesium atoms in a nanofiber-based two-color dipole trap
- 17:35 – 18:00** Ana Predojevic, U Innsbruck,
Experimental Verification of the Quantum non-Gaussianity of a Quantum Dot Emission
- 18:00 – 18:25** Simon Stellmer, IQOQI
Laser cooling to quantum degeneracy
- ca. 19:00** Conference Dinner

Friday, December 14

- 08:30 – 09:00** Business meeting
- 09:00 – 09:50** Nir Davidson, Weizmann Institute
Long coherence times with trapped cold atoms: are atomic collisions always bad?
- 09:50 – 10:40** Jürgen Berges, U Heidelberg
Nonequilibrium Quantum Fields: From the Early Universe to Cold Atoms
- 10:40 – 11:10** Coffee break

- 11:10 – 11:35** Nikolai Kiesel, U Vienna
Cavity Optomechanics with Levitating Nanospheres
- 11:35 – 12:00** Mikhail Baranov, U Innsbruck
Topological quantum computing in wire network of atomic Majorana fermions
- 12:00 – 12:25** Claudiu Genes, U Innsbruck
Many-body dynamics in cavity optomechanical arrays

Trains to Innsbruck: 13:36 (RJ 166), 13:56 (IC 866), 15:36 (RJ 168)

Conference Dinner:
 Restaurant (Heuriger) “10er Marie”
 Ottakringer Str. 222-224
 U3, Ottakring (final station)

