

December 15 – 16 2011

University of Vienna
Faculty of Physics
Christian-Doppler-Hörsaal
Boltzmannngasse 5, 3. Stock
1090 Wien



PROGRAM

Thursday, December 15

- | | |
|----------------------------|---|
| 12:30 pm - 02:00 pm | Business Meeting |
| 02:00 pm - 02:50 pm | Prof. Dr. Ignacio Cirac, Quantum Optics, Head of Theory Division, Max-Planck-Institute
Creation and Detection of Strongly Correlated States in 1D Systems |
| 02:50 pm – 03:15 pm | Steven Habrakan, University of Innsbruck
Optomechanical Tools for Quantum Networking with Phonons |
| 03:15 pm – 03:40 pm | Sebastian Hofer, University of Vienna
Quantum Entanglement and Teleportation in Pulsed Cavity Optomechanics |
| 03:40 pm – 05:00 pm | poster session + break |
| 05:15 pm – 06:05 pm | Prof. Dr. Edward Farhi, Director Center for Theoretical Physics, MIT Boston
Quantum Money from Knots |
| 06:05 pm – 06:30 pm | Philipp Haslinger, University of Vienna
Cluster Interferometry in Time |

Friday, December 16

- 09:00 am – 09:50 am** Prof. Dr. David P. DiVincenzo, Institute for Quantum Information, RWTH Aachen
Prospects for Superconducting Qubits
- 09:50 am – 10:15 am** Jürgen Volz, TU Vienna
Detecting Atomic States without Energy exchange
- 10:15 am – 10:40 am** Daniel Manzano, University of Innsbruck
Energy Transport in Quantum Chains
- 10:40 am – 11:15 am** break
- 11:15 am – 12:05 pm** Dr. Zoran Hadzibabic, Cavendish Laboratory, University of Cambridge
Effects of Interaction on Bose-Einstein Condensation of an Atomic Gas
- 12:05 pm – 12:30 pm** talk (to be announced)
- 12:30 pm – 02:00 pm** lunch
- 02:00 pm - 02:45 pm** laboratory tours

Conference Dinner

15. December 2011/ 07:00 pm

STIEGL AMBULANZ
Stiegl Gaststätten GmbH & Co. KG
Alsterstraße 4
A-1090 Vienna