

**Workshop**  
**MPQ - CONQUEST - MPIPKS**



**Thursday, September 21st**

10.30 [Labs visit](#)

12.30 - *Lunch* -

14.00 [David Hunger](#) (LMU, Munich)

Magnetic coupling of a BEC to a nanomechanical resonator

14.45 [Andreas Emmert](#) (Lab. Kastler Brossel, Paris - CONQUEST)

Superconducting Atom-Chip

15.30 [Thomas Becker](#) (MPQ, Garching)

One atom maser: from phase diffusion to stochastic resonance

16.15 - *Break* -

16.45 [Rachele Fermani](#) (Imperial College, London - CONQUEST)

Atom chips and carbon nanotubes

17.30 [Karim Murr](#) (MPQ, Garching)

Light forces in cavity QED

**Friday, September 22nd**

09.00 [Klaus Hornberger](#) (LMU, Munich)

Monitoring approach to open quantum dynamics using scattering theory

09.45 [Christina Kraus](#) (MPQ, Garching)

Quantum simulations under translational symmetry

10.30 - *Break* -

11.00 [Paulo Souto Ribeiro](#) (Universidade Federal do Rio de Janeiro)

Direct experimental measurement of entanglement

11.45 [Leandro Aolita](#) (MPIPKS, Dresden)

Efficient prescriptions for the experimental quantification of entanglement

12.30 - *Lunch* -

**Location: B0.21**