

# AMO seminar program - Spring 2012

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- 2/2 **Manipulation of molecules with broadband laser: vibrational cooling and state conversion**  
Ridha Horchani  
*Laboratoire Aimé-Cotton, University Paris-Sud 11*
- 10/2 **Optical atomic clocks**  
Patrick Gill  
*National Physical Laboratory, London*  
**NB Friday 11:15**
- 23/2 **Ultrafast control of electron dynamics: atoms, diatomics and chiral molecules**  
Matthias Wollenhaupt  
*Department of Physics, Kassel University*
- 8/3 **Dielectric materials in strong laser fields: measuring and modelling ablation and transient optical properties**  
Kristian Wædegaard  
*IFA*
- 3/4 **Spectra of cold molecular ions from hot helium nanodroplets**  
Marcel Drabbels  
*Ecole Polytechnique Fédérale de Lausanne*
- 12/4 **Tales of Quantum Mechanics - A Journey from Few- to Many-body Systems**  
Nikolaj Zinner  
*IFA*
- 26/4 **Single ion recycling reaction experiments**  
Anders Kragh Hansen  
*IFA*
- 30/4 **From photons to crystals and back – shuffling around entanglement**  
Christoph Clausen  
*University of Geneva*  
**NB Monday 15:15**
- 10/5 **Nonclassical light on metallic nanowires**  
Ulrik Andersen  
*Danish Technical University*
- 24/5 **Kicking and Squeezing trapped objects with light**  
Søren Rud Keiding  
*Dep. of Engineering/Dep. of Chemistry, AU*

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**Place: Fysik Auditorium**

**Time: 15.15, Coffee, tea and cake will be served at 15.05**

**Contact persons: Jacob Sherson and Aurélien Dantan**