

Special Seminar
MPQ/LMU

Date: Wednesday, December 14, 2011

Time: 1 p.m. s.t.

Presentation: Dr. Aurélien Coillet
Laboratoire Interdisciplinaire Carnot de Bourgogne
Dijon, France

Title: Microfibers for Nonlinear Optics

Location: Audience Hall
MPQ

Division of Laserspectroscopy, Director Professor Theodor W. Hänsch

Presentation

Dr. A. Coillot will present his PhD work on Optical Microfibers, their fabrication and uses. He will focus on their two major optical properties:

- **A high confinement and a enhanced nonlinearity, allowing for significant nonlinear effects on small distances, such as third harmonic generation**

- **A large evanescent tail allowing for near field scanning microscopy and evanescent coupling.**