

Special Seminar
MPQ/LMU

Date: Thursday, April 12, 2018

Time: 10 a.m., c.t.

Presentation: Dr. Andreas W I C H T
Ferdinand-Braun-Institut,
Leibniz Institut für Höchstfrequenztechnik, Berlin
Institut für Physik, Humboldt-Institut zu Berlin

Title: Micro-Integrated Diode Lasers for Quantum Optics
Experiments in Space

Location: Chair Professor Theodor W. Hänsch
Faculty of Physics (LMU)
Seminar Room H 311
Schellingstr. 4/3rd Floor
D-80799 Munich

**Division of Laserspectroscopy, Director Professor Theodor W. Hänsch &
Carl Friedrich von Siemens Chair d. Universität München (LMU)**

ABSTRACT

I will give an overview of recent Developments on Micro-Integrated Diode Lasers carried out at the Ferdinand Braun Institute which enabled the first BEC-Experiment in space in January 2017.

The presentation will describe actual hardware and corresponding results of tests under conditions relevant for space deployment.

It will give an overview about the technology applied and it will identify technology gaps that still exist.