

## EINLADUNG

zum Vortrag von

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über

**Learning from a Nobel laureate:  
How Theodor W. Hänsch contributed  
to molecular spectroscopy**

am

**Dienstag, 16. Mai 2006, um 17.30 Uhr**

im Großen Hörsaal des Instituts für Experimentalphysik der Universität Wien  
1090 Wien, Strudlhofgasse 4 / Boltzmannngasse 5, 1. Stock

### Abstract:

Theodor W. Hänsch was honored with the 2005 Nobel price in physics for his seminal contributions to the development of laser-based precision spectroscopy, including the optical frequency comb technique. His work is aimed at quantum optics and atomic physics, with only rare digressions to molecules. The novelty of his methods and the usefulness of the techniques is, however, so large, that great benefits have resulted in the wide field of molecular spectroscopy. In my talk I will try to illustrate this proposition by summarizing his achievements and illustrating the influence he had on my own work ranging from sub-Doppler spectroscopy to phase locked ultrashort pulses.