

Hands-on Seminar: Experimental Optics and Atomic Physics

Prof. Martin Weitz, David Dung

Date: Mondays 8 s.t. and 10 s.t.

Place: IAP, Foyer

Topics	Date
• Introduction	19.10.2015
• Introductory laser optics, chopper and photodiode	02.11.2015
• Gaussian optics, laser beam profiles, optical fibers	09.11.2015
• Optical resonators	16.11.2015
• Diode laser, atomic spectroscopy	23.11.2015
• Acousto-optical modulators	30.12.2015
• Beat-signal of modulated laser beams	07.12.2015
• Radiofrequencies, RC-Filter, rf-Mixer, ...	14.12.2015
• Light polarisation and birefringency	11.01.2016