

# Hands-on Seminar: Experimental Optics and Atomic Physics

Prof. Martin Weitz, Johannes Koch

Date: Mondays 9-11

Place: IAP, Foyer

Topics	Date
• Introduction	07.10.2019
• Introductory laser optics, chopper and photodiode	28.10.2019
• Gaussian optics, laser beam profiles, optical fibers	04.11.2019
• Optical resonators	18.11.2019
• Diode laser, atomic spectroscopy	25.11.2019
• Acousto-optical modulators	02.12.2019
• Beat-signal of modulated laser beams	09.12.2019
• Radiofrequencies, RC-Filter, rf-Mixer, ...	16.12.2019
• Light polarisation and birefringency	13.01.2020