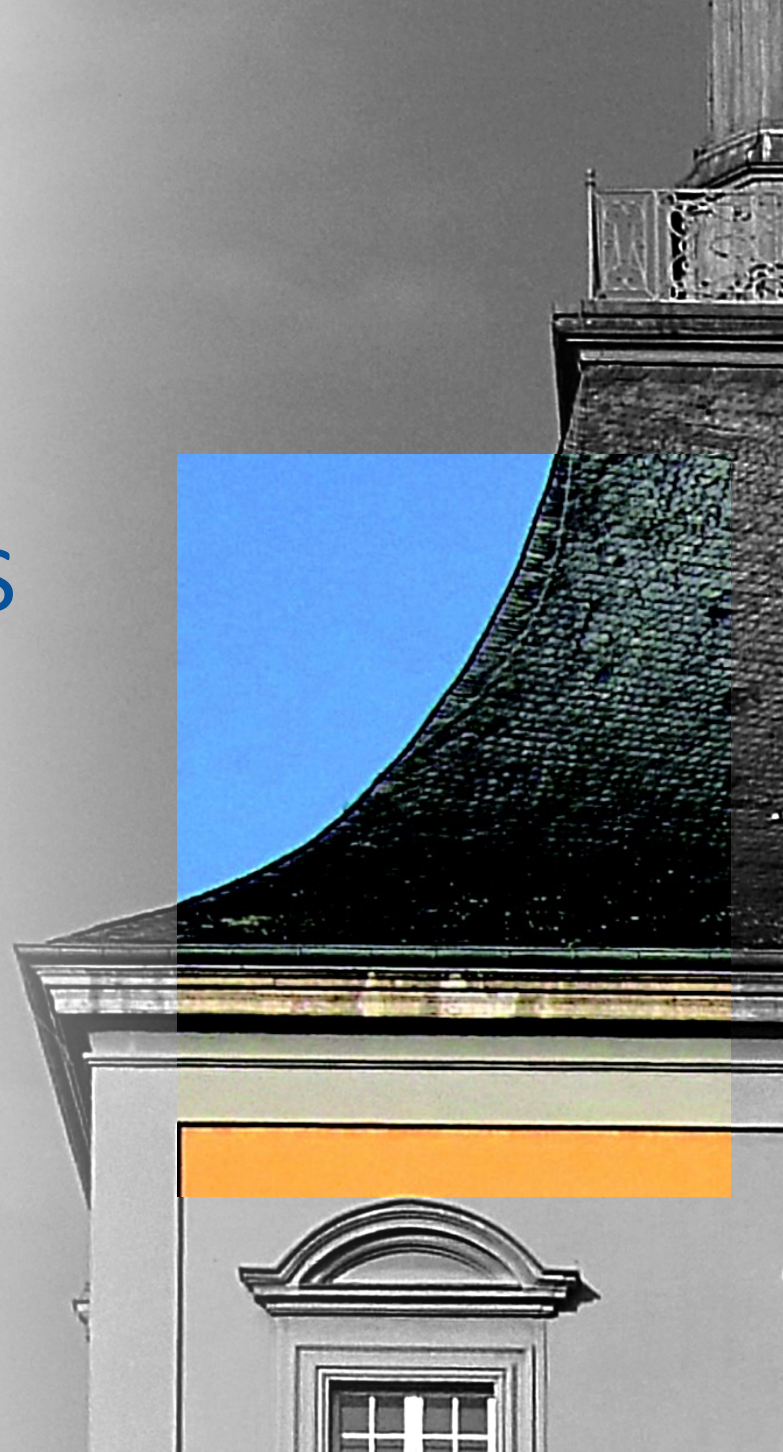


HANDS-ON SEMINAR
**EXPERIMENTAL OPTICS
AND ATOMIC PHYSICS**

PROF. MARTIN WEITZ,

NIELS WOLF

FREYA WOLFGARTEN



MONDAYS 8-10, 10-12

TOPICS:

- Introduction October 7, 2024
- Introductory laser optics, chopper and photodiode October 21, 2024
- Gaussian optics, laser beam profiles, optical fibers October 28, 2024
- Optical resonators November 4, 2024
- Diode laser, atomic spectroscopy November 11, 2024
- Acousto-optical modulators November 18, 2024
- Beat-signal of modulated laser beams November 25, 2024
- Radiofrequencies, RC-Filter, RF-Mixer December 2, 2024
- Light polarisation and birefringency December 9, 2024

GENERAL INFORMATION

- The seminar takes place at the IAP basement lab;
meeting point is in front of the IAP Foyer at 8:00/10:00
- Reports need to be handed in until the 28th February, 2025