

Session Program

5-8 Oct 2026

Greenhorn Meeting 2026

Optics and Tweezer design

Institute for Quantum Physics
Luruper Chaussee 149

Monday 5 October

10:30

Optics and Tweezer design

Session | **Location:** Institute for Quantum Physics, Luruper Chaussee 149

10:30–10:45

Developing a Hybrid Tweezer Array of Dipolar Molecules and Rydberg Atoms

Speaker

Erik Geesmann

10:45–11:00

Cavity array microscope for fast, scalable readout of a dual-element atom array

Speaker

Bahar Öztürk

11:00–11:15

Fast, dynamic and three-dimensional SLM holography for optical tweezers

Speaker

Maximilian Kob

11:15

11:45

Optics and Tweezer design

Session | **Location:** Institute for Quantum Physics, Luruper Chaussee 149

11:45–12:00

Design of an Objective for a Single Atom Optical Tweezer

Speaker

Nessa Baum

12:00–12:15

Toward Near-Unity Photon Collection with a High-NA Solid-Immersion Lens System

Speaker

Jan Erik Axmann

12:15