

# Science and Engineering Research Program Project Description



Leibniz  
Universität  
Hannover

## Science and Engineering Research Program 2022

### Faculty of Mathematics and Physics

**Institute:** Institute of Quantum Optics

**Project title:** Setting up a solid-state laser

**Project description:** Modern assembly technologies such as 3D printing allows for a flexible design of compact high-brightness laser light sources. In this project, the student will learn how to design, actually set-up, and characterize a high-performance single-mode laser.

**Required skills:** Basic Knowledge in Optics based on studies in physics or electrical engineering

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<https://www.iqo.uni-hannover.de/en/research-groups/ultrafast-laser-laboratory/>