

The Helmholtz Institute Jena (HI Jena) is an institute of the GSI Helmholtz Centre for Heavy Ion Research GmbH in Darmstadt at the campus of the Friedrich-Schiller University Jena. The institute is mainly focused on fundamental and applied research at the borderline of strong-field physics, relativistic light-matter interactions and fundamental quantum processes.

For doctoral research projects the institute is constantly seeking candidates to fill the position of a

Doctoral scientist (all genders)

For a doctoral position at the Helmholtz Institute Jena candidates are invited to take an active role in one of the experimental or theoretical research areas of the Institute:

- High-power laser systems;
- Novel laser-based accelerator concepts;
- X-ray spectroscopy;
- Strong-field quantum electrodynamics;
- Physics of hot dense plasmas.

Basic Requirements

- Master or Diploma degree in physics;
- Strong interest and good fundamental knowledge of the relevant research field of the HI Jena;
- Excellent team working, communication and presentation skills;
- Good English language skills.
- Further detailed qualifications will be reviewed by the board of the Research School of the HI Jena in the course of the application.

Application

Please submit your application and the relevant documents as described on the webpage https://www.hi-jena.de/en/rs_aps/application/.

We offer

Positions as a doctoral researcher are regularly awarded for a duration of 3 years with the possibility of maximum prolongation by one additional year. Salary is paid according to the Collective Agreement for the German Public Service (TVöD Bund) on a 65% level. The task is a fulltime position. According to the Helmholtz Doctoral Guidelines, doctoral researchers of the HI Jena are provided with a structured supervision concept and doctoral training by the Research School of Advanced Photon Science (RS-APS) of the HI Jena in cooperation with the Helmholtz Graduate School for Hadron and Ion Research (HGS-HIRE) at GSI.

The HI Jena promotes the professional development of women and therefore expressly welcomes applications from women.

Persons with disabilities will be given preference to other equally qualified applicants.

Do not hesitate to contact one of the working groups of the Helmholtz Institute Jena (https://www.hi-jena.de/en/helmholtz_institute_jena/working_groups/) to get further information on possible research projects for a doctorate.