


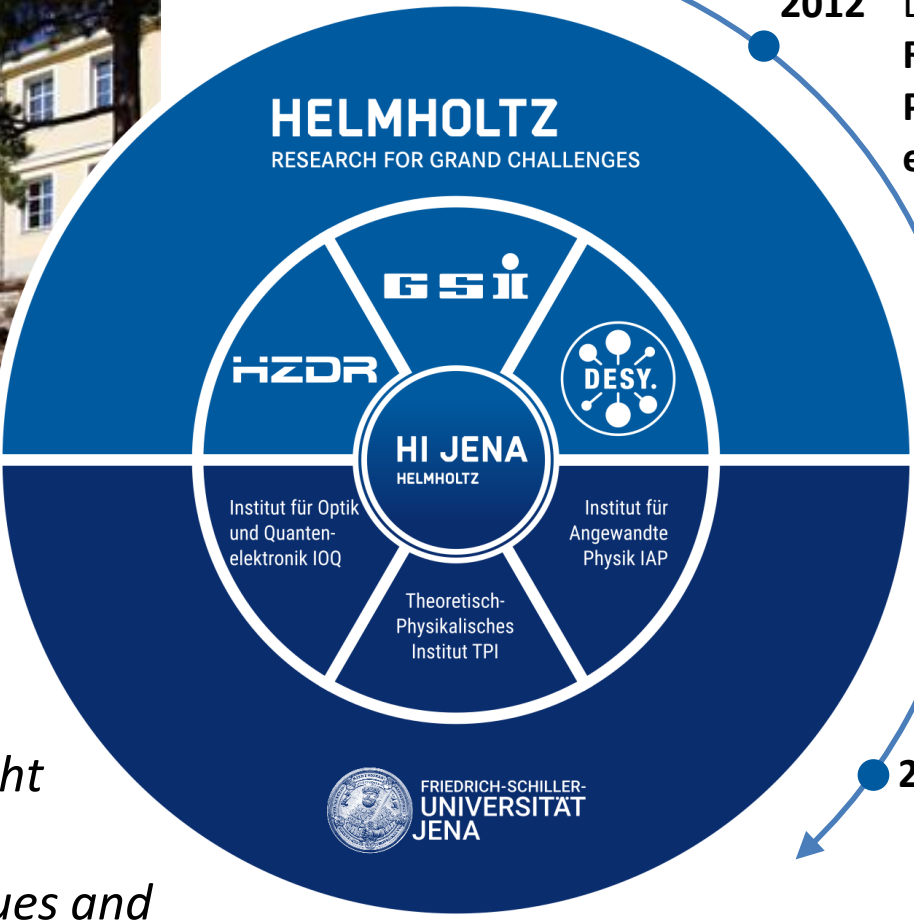
The **Research School of Advanced Photon Science** is the graduate school of the **Helmholtz Institute Jena**. Established on the physics campus of **Friedrich Schiller University Jena** in 2009, it is a division of the **GSI Helmholtz Center for Heavy Ion Research**, which is headquartered near Darmstadt. This way, the institute connects the large-scale research facilities available at the Helmholtz Center with the established expertise of university working groups.

The Helmholtz Institute Jena



Scientific Profile

- Extreme Electro-magnetic Fields
- Warm Dense Matter
- Coupling of Intense Light to Matter
- Measurement techniques and diagnostics (x-ray optics, lasers, spectrometers, detectors, etc.)



2009 Founded

2012 Dedicated Institute's Building, **Research School of Advanced Photon Science (RS-APS)** established

2015 Participation in Helmholtz Competitive Funding Program (POF)

2017 Center Evaluation

2019 Groundbreaking for Additional Institute's Building

HI JENA

HELMHOLTZ
Helmholtz Institute Jena

More than 100 scientists employed or associated

100

4 co-appointed professorships at FSU Jena

4

About 140 peer-reviewed publications per year

140



RS-APS currently supports about **60 doctoral students** in Jena, as well as in Darmstadt, Frankfurt and Hamburg. To facilitate scientific exchange, each member is granted a annual personal travel budget of **1,000 Euro**.

Annual Lecture Weeks hosted by RS-APS

2016: Novel detectors: Cryogenic sensors and ASIC devices



Ebersberg

2017: Laser-Particle Acceleration for Basic Research and Ion Therapy



Willingen

2018: Interface between Atomic and Nuclear Physics



Hütten

2019: Imaging Techniques from the Optical to the X-ray Regime



Hardehausen

Scientific Program and Collaborations

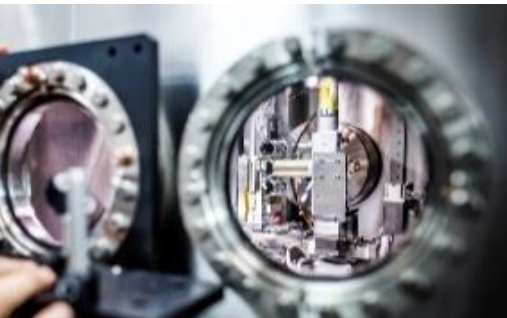



+ **HGS-HIRe for FAIR**
Helmholtz Graduate School for Hadron and Ion Research

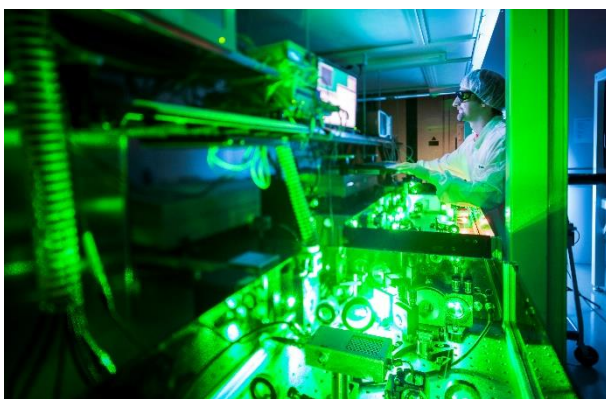

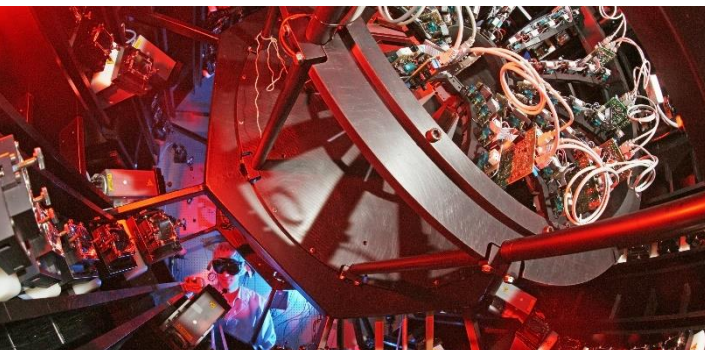

+ **Abbe School of Photonics** JENA
Friedrich-Schiller-Universität


+ **GA GRADUIERTEN AKADEMIE**

RS-APS maintains a close collaboration with the **Helmholtz Graduate School HGS-HIRe** (the umbrella school for PhD students at GSI), as well as the **Abbe Center of Photonics'** Graduate School. Our members therefore **enjoy additional access** to all events and courses hosted by our partners.











ATHENA
The Helmholtz-Project for Laser-Plasma-Acceleration

RS-APS offers participants access to cutting-edge research infrastructures of today and tomorrow.



Particle Accelerators




GSI FAIR


High Power Lasers

High-Performance Computing and Data Science


Contact Us



Prof. Dr. Christian Spielmann
Spokesperson



Dr. Renate Märtin
Scientific Coordinator



Prof. Dr. Thomas Stöhlker
Director of HI Jena



Research School of Advanced Photon Science
Helmholtz Institute Jena
Fröbelstieg 3
07743 Jena
www.hi-jena.de/en/rs_aps
r.maertin@gsi.de
03641 9-47614