

Research School of Advanced Photon Science

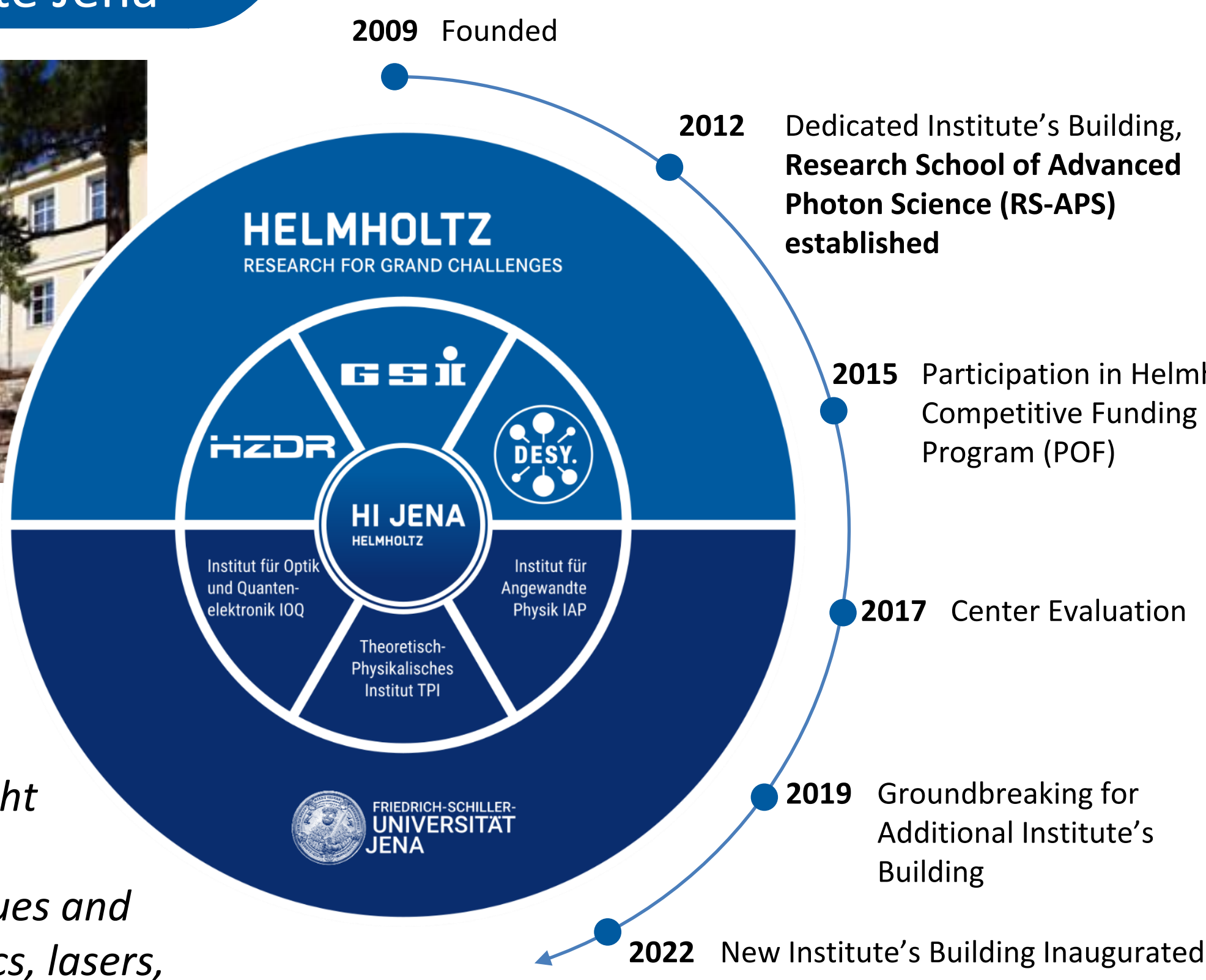
The **Research School of Advanced Photon Science** is the graduate school of the **Helmholtz Institute Jena**. Established on the physics campus of **Friedrich Schiller University Jena** in 2009, the institute is a division of the **GSI Helmholtz Center for Heavy Ion Research**, which is headquartered 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.)



HI 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 an annual personal travel budget of **1,000 Euro**.

Annual Lecture Weeks hosted by RS-APS

Novel detectors: Cryogenic sensors and ASIC devices



Ebersberg

Laser-Particle Acceleration for Basic Research and Ion Therapy



Willingen

Interface between Atomic and Nuclear Physics



Hütten

APPA Research @ FAIR: From Fundamentals to Application



Jena

Scientific Program and Collaborations



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.



Contact Us



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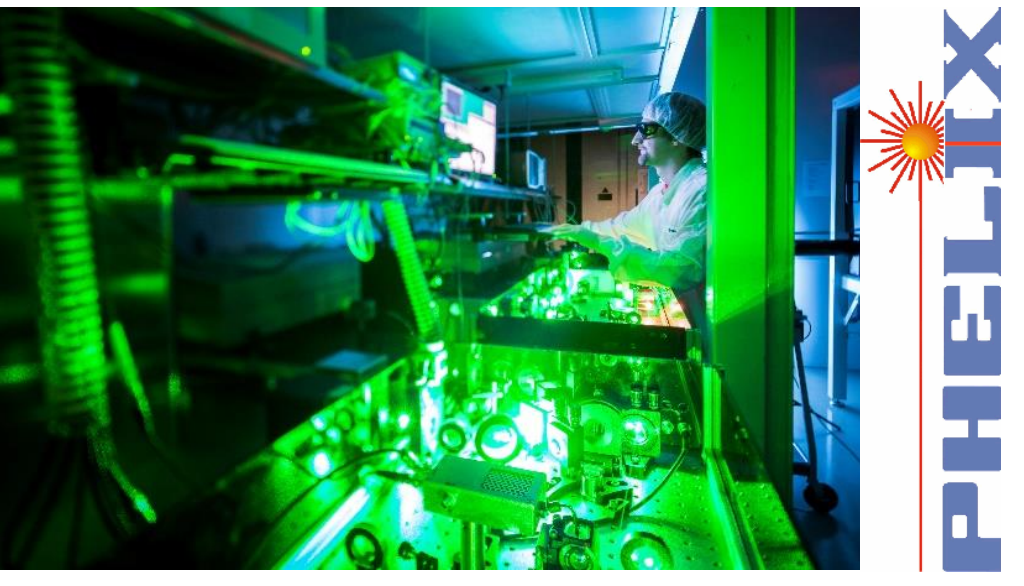
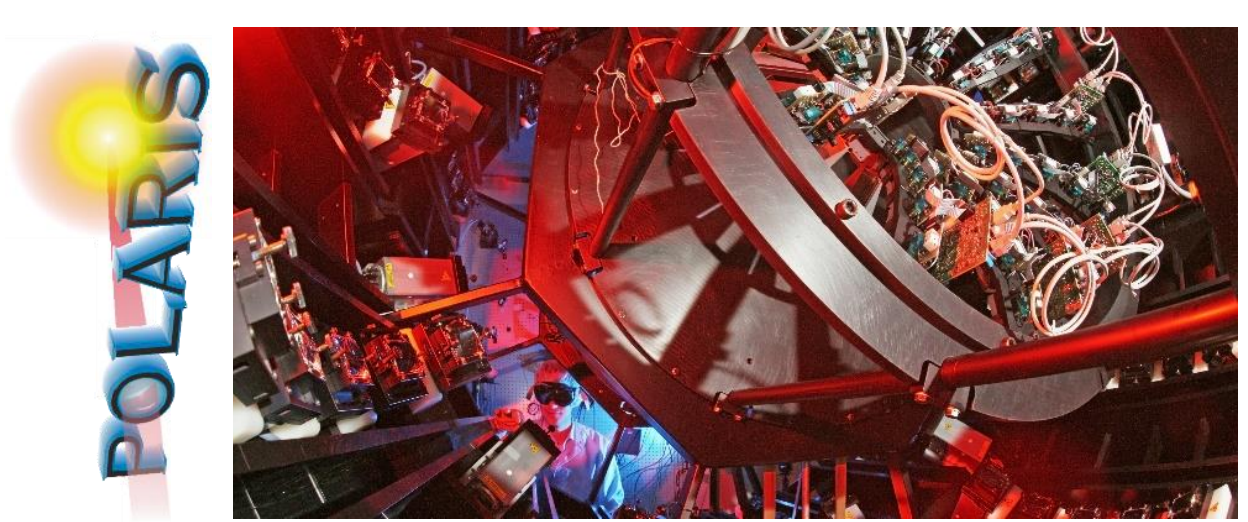


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RS-APS offers participants access to cutting-edge research infrastructures of today and tomorrow.

Particle Accelerators



High Power Lasers



High-Performance Computing and Data Science

