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GSI Helmholtzzentrum für Schwerionenforschung in Darmstadt operates one of the leading particle accelerators for science. In the next few years, the new FAIR (Facility for Antiproton and Ion Research), one of the world's largest research projects, will be built in international cooperation. GSI and FAIR offer the opportunity to work in this exciting international environment as part of a team of employees committed to ensuring the conduction of world-class science.

We are looking for the following person for the **IT department** as soon as possible:

**Research Assistant (all genders) with the  
Focus on Authentication and Authorization Infrastructure (AAI)  
Posting ID: 22.67-1910**

GSI is a member of the PUNCH4NFDI (Particles, Universe, NuClei and Hadrons for the NFDI) consortium, which aims to develop suitable methods and technologies for the analysis and publication of scientific data up to the exabyte range. This consortium, in which experts from particle, astroparticle physics, astrophysics, hadron and nuclear physics work together, has been funded by the DFG as part of the NFDI of the National Data Infrastructure. The Information Technology department is looking for a person to participate in the setting up/implementing an authentication and authorization infrastructure, which is required to set up an exchange platform for information on archives, data management software and services for the communities' active in PUNCH4NFDI.

**Your tasks**

- Implement the necessary AAI infrastructure to establish an exchange platform for information on archives, data management software, and services for the communities active in PUNCH4NFDI
- Interdisciplinary cooperation with national and international research teams
- Presentations of work results at national and international conferences
- Publication of software and work results on relevant platforms

**Your profile**

- Successfully completed studies (master's degree, diploma) in computer science, physics or a comparable field of study
- Profound experience in: Authentication and Authorization Systems: OpenID, Shibboleth, SAML and/or Kerberos/Microsoft AD and secure and reliable design, setup and operation of infrastructure services on Linux
- Experience with enterprise identity management services and processes, ideally in an academic/research environment
- Experience with configuration management systems (Chef, Puppet, Ansible, Salt, etc.), devops practices, and collaborative software development (git, github/gitlab, ...)
- Very good Linux skills, ideally Debian
- Good German and English written and verbal

Your working style is structured and independent. The use of documentation tools during your work is an efficient support for you. You have strong communication skills, a confident manner, as well as a high level of methodological and social competence and the willingness to acquire missing knowledge independently. The ability to work in a team across groups and a solution-oriented working style are required.



Facility for Antiproton and Ion Research



Helmholtzzentrum für Schwerionenforschung GmbH

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### **We offer**

After a comprehensive induction, you can expect a varied and challenging job in an experienced project team, creative design and development opportunities in a research institution with an international perspective; time for the (further) development of own open source products; participation in scientific conferences and opportunities for further qualification.

The position is limited until 30.09.2026. The salary is based on the collective agreement TVöD (Bund) applicable at GSI. Home office is partly possible by mutual agreement.

GSI promotes the professional development of women and welcomes women who feel particularly addressed by the advertisement.

Severely handicapped persons will be given preference in case of equal qualification.

For more information about GSI and FAIR, visit [www.gsi.de](http://www.gsi.de) and [www.fair-center.eu](http://www.fair-center.eu).

If you consider the described field of activity as a personal challenge and are interested in working in an extraordinary international, strongly technical environment, please send your complete application documents, including your salary requirements and stating your earliest possible starting date, until **21.08.2022** at the latest, quoting the **reference number (22.67-1910)**

by email to [bewerbung\(at\)gsi.de](mailto:bewerbung(at)gsi.de)

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