



Facility for Antiproton and Ion Research



Helmholtzzentrum für Schwerionenforschung GmbH

---

GSI Helmholtzzentrum für Schwerionenforschung in Darmstadt is one of the leading particle-accelerator laboratories 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 together in this international environment with a team of employees committed to ensure each day to conduct world-class science.

Realizing of FAIR and the FAIR experiments, with NUSTAR being the largest one, goes in parallel to pursuing a dedicated research program at the current/upgraded GSI facility. This will create unique opportunities for an ambitious researcher to actively contribute to the nuclear spectroscopy experiments at GSI and to be part of the NUSTAR coordination team at FAIR.

We invite applications from

**PhD Physicists (m/f)**  
**Reference ID 1270-18.151**

**for a tenure-track research position  
in experimental nuclear physics / nuclear spectroscopy**

### **The position**

The successful candidate will be based in the Nuclear Spectroscopy department of GSI conducting research at GSI/FAIR, including coordination of collaborative activities, realization of experiments, supervision of students and postdoctoral researchers, development of new instrumentation and experimental techniques methods, and the dissemination of research results. The department hosts large gamma-detector arrays, such as FATIMA, DEGAS and AGATA, as well as a broad range of other detectors built for NUSTAR within the HISPEC/DESPEC experiment and contributes extensively to their development.

In addition, the successful candidate will contribute to the FAIR project by assisting the NUSTAR Technical Coordinator with the aim to succeed the current incumbent in the foreseeable future. This activity includes the technical coordination of the detectors, detector systems and associated EDAQ systems, control of TDRs, monitoring of in-kind contracts, organization of reviews, preparation of reports to management and supervisory bodies, and representation of NUSTAR within FAIR with respect to technical matters.

### **Requirements**

- Ph.D. in experimental Nuclear Physics,
- Experience in the field of nuclear spectroscopy preferably working at an international facility or in an international collaboration,
- Demonstrable knowledge of principles and techniques pertaining to nuclear science and experimental research

- Excellent communication, planning, and organizational skills both verbally and through written documents to peers.
- Good command of German language or willingness to acquire it

The position is initially limited to a duration of five years in line with the tenure-track treatment. After positive evaluation, it is possible to transfer in an unlimited employment. Salary is equivalent to that for public employees as specified in the collective agreement for public employees (TVöD Bund).

GSI supports the vocational development of women. Therefore, women are especially encouraged to apply for the position.

Handicapped persons will be preferentially considered when equally qualified.

For further information please contact Dr. Jürgen Gerl - email: J.Gerl@gsi.de.

Information about FAIR and GSI is available at [www.gsi.de](http://www.gsi.de) and [www.fair-center.eu](http://www.fair-center.eu).

**Applications should include:**

- a CV,
- a list of publications, including a commented selection of the five most significant ones,
- a research interest and achievements statement
- names of at least three possible references.

If you find this position interesting, please send all application documents by e-mail as a pdf-file, with information of your earliest possible starting date and the **reference ID** above by **November, 02 2018** to

[bewerbung@gsi.de](mailto:bewerbung@gsi.de)

**Grading according to qualification**