

GSI Helmholtzzentrum für Schwerionenforschung in Darmstadt operates one of the leading particle accelerators for science. In the next few years, the new FAIR (**F**acility for **A**ntiproton and **I**on **R**esearch) 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 ensuring each day to conduct world-class science.

The FRS/SFRS group is one of the major partners for nuclear physics experiments at the GSI accelerator facility. The group operates and maintains the fragment separator FRS and supports the development and preparations of the super-conducting fragment separator SFRS of the international accelerator facility FAIR. At both instruments, short-lived exotic nuclei are produced, separated and studied with modern detector systems. The FRS/SFRS group is integral part of large international scientific collaborations.

The **FRS/SFRS group** is looking for an

Engineer or Physicist with Diploma or MS-Degree (m/f)
Posting-ID: 1230-18.179

for operation and further development of the FRS, a separator for heavy ion and exotic nuclear beams, with the following qualification:

Main activities will be:

- Operation, maintenance and further development of the fragment separator for FAIR experiments, especially within the NUSTAR Collaboration, supervision of all experimental areas and its control room as well as all sub-systems of the FRS
- Maintenance, service and operation of all technical components, in particular vacuum system, magnet power supplies, cryogenic supply systems, manipulators in the target area, radiation shielding, etc.
- Technical support during preparation and execution of experiments, supervision of external user groups and integration of their experiment detectors
- Construction work of all kinds for setting up new experimental equipment

Education and experience requirements:

- Engineering or physics degree (Diploma or Master)
- Know-How and practical experience with nuclear physics experiment facilities
- Very good knowledge in vacuum technology and electronics, experience with cryogenic technology is desirable
- Experience with CAD programs like CATIA V5, Inventor or AutoCAD is advantageous, expertise in precision mechanics is desirable
- Good German and English is mandatory, also the ability to work in a team

We offer attractive working conditions in a many-sided and interesting environment and in a young team. Further education can be obtained in upgrade training courses. Permanent employment for this position is possible.

Salary is equivalent to that for public employees as specified in the collective agreement for public employees (TVöD Bund).

Therefore women are especially encouraged to apply for the position.

Handicapped persons will be preferentially considered when equally qualified.

Further information about FAIR and GSI is available at www.gsi.de and www.fair-center.eu.



Facility for Antiproton and Ion Research



Helmholtzzentrum für Schwerionenforschung GmbH

If you find this position interesting and challenging and would like to work in an exceptional, international, strongly technical environment, please send your full application documents, including the desired salary, with information of your earliest possible starting date and the **reference number** above to the following address by **December, 7th, 2018** to

GSI Helmholtzzentrum für Schwerionenforschung GmbH

ABTEILUNG PERSONAL

PLANCKSTRASSE 1

64291 DARMSTADT

or by email to: bewerbung@gsi.de

Grading according to qualification up to fee group 13 is possible.