

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 together in this international environment with a team of employees committed to ensuring each day to conduct world-class science.

The division **System Planning of Super-FRS (SFS)** is looking for a

Technician (m/f)

in the domain of cryogenics, mechatronics, instrumentation, or measurements, to work at the testing of the Super-FRS superconducting magnets and all related components at the test-facility at CERN, Geneva, Switzerland.

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The Super Fragment Separator (Super-FRS) is a forefront machine of FAIR, with unique components having challenging technological functionalities. The superconducting magnets of Super-FRS will be tested at cryogenic temperature in a devoted test facility, located at CERN (European Centre for Nuclear Research), Geneva, Switzerland. The working team will be composed of CERN experts together with GSI experts of different groups. The magnetic field measurements will be done with state-of-the-art technologies.

Your duties:

- Help in the receipt of incoming magnet modules including reception tests at room temperature
- Preparation of magnet modules for cold tests including electrical tests, instrumentation tests, and DAQ system preparation
- Performing cold tests of magnet modules including instrumentation tests, electrical tests, QPS system tests
- Help in executing of magnet field measurements
- Preparation of tested magnet modules for sending them to FAIR. This includes final instrumentation tests and electrical tests at room temperatures again and preparation for transportation.

Skills and Abilities:

The successful candidate should have:

- Technical Diploma or Bachelor in electro-mechanics, cryogenics, or mechatronics,
- Experience in measurement techniques in laboratory environment, preferably with focus on cryogenic devices, electrical testing, magnetic field measurements.
- Structured way of working. Good team skills, autonomy, and ability to work under pressure.
- Fluent English or French; basic knowledge of German would be an advantage
- Experience in MS-Office tools.

The candidate should possibly have experience on:

- Electro-mechanical construction, testing, precision assembly and construction, as well as commissioning and maintenance of electro-mechanical equipment.
- Operation in precision laboratory and/or execution of acceptance tests
- Some knowledge of sensors and calibration would be an asset.

The successful candidate will reside in Geneva, Switzerland, or nearby.

The position is initially limited to 5 years. As part of the FAIR project, there are good prospects for a longer-term career afterwards related to the installation, commissioning, and operation of Super-FRS magnet modules at FAIR in Darmstadt, Germany. 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.

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

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 with information of your earliest possible starting date and the **reference number above** by **25.05.2018** to the following address:

GSI Helmholtzzentrum für Schwerionenforschung GmbH

Abteilung Personal

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64291 Darmstadt

or by email to: bewerbung@gsi.de