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The GSI Helmholtz Center for Heavy Ion Research in Darmstadt operates one of the leading particle accelerator facilities for science. In the next few years, the new international facility FAIR (Facility for Antiproton and Ion Research) will be built, one of the largest research projects worldwide.

### **"Technical Coordinator for the CBM Experiment"**

The Compressed Baryonic Matter (CBM) experiment, which will be carried out in Darmstadt at the GSI / FAIR accelerator facility, is planning a complex large-scale detector for the study of cosmic matter in the laboratory. An international collaboration of more than 400 scientists is currently working on its construction.

The CBM collaboration is looking for a Technical Coordinator to take a lead role in dealing with the many tasks involved in planning and developing the detector components, assembling them into a functioning detector and integrating them into GSI / FAIR accelerator systems.

The Technical Coordinator of CBM is among others responsible for ensuring that the individual detector components manufactured in the various national and international universities and research laboratories can be combined to form a particle detector at the experimental site. The Technical Coordinator assumes responsibility for a team of scientists and engineers who are responsible for the following areas:

- Monitoring of the technical design of the CBM detector and the construction of the CBM hall
- Quality assurance of design and manufacturing process of the subsystems
- Control integration of all detector components including the data acquisition system
- Conception, construction and commissioning of the associated experiment infrastructure

This activity includes representation of CBM within FAIR with respect to technical matters and preparation of reports to management and supervisor bodies.

The successful candidate is expected to own a PhD in the field of nuclear / particle physics and to have:

- several years of experience as a postdoc in an international research environment,
- expertise in instrumentation and detector physics,
- extensive knowledge in the design and planning of large equipment,
- experience in personnel management and project management,
- fluent English language skills, if necessary willingness to learn German.

The position is initially limited to 5 years. The salary is based on the GSI collective agreement TVöD (federal government).

GSI / FAIR promotes the professional development of women and welcomes women who feel particularly attracted by the call.

If you are interested in the position, please contact the spokesperson of the CBM experiment: Prof. Dr. Norbert Herrmann – email: [N.Herrmann@gsi.de](mailto:N.Herrmann@gsi.de)

by **March 31, 2019.**

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 three possible references.

Further information about GSI and FAIR can be found at [www.gsi.de](http://www.gsi.de) as well as [www.fair-center.eu](http://www.fair-center.eu).