



Die **Rheinische Friedrich-Wilhelms-Universität** Bonn is an international research university with a broad range of subjects. With 200 years of history, about 35.000 students, more than 6.000 members of staff and an excellent national and international reputation, the University of Bonn ranks among the most renowned universities in Germany and has been awarded the title Excellence University.

The Research and Technology Center Detector Physics (Forschungs- und Technologiezentrum Detektorphysik, FTD) invites applications for a permanent position as

Research Associate (100%) in detector design and integration

The newly established FTD, jointly operated by Physikalisches Institut (PI) and Helmholtz-Institut für Strahlen- und Kernphysik (HISKP), has about 80 employees and bundles the research and development activities of both institutes in the field of detector physics. The research activities extend from hadron and particle physics to photonics.

Your tasks:

- Support of the groups at the FTD in design and integration of complex detector mechanics and periphery,
- Support and consulting of the groups to realize new projects,
- Mechanical and thermal simulations,
- Interface to mechanical and electronics workshops,
- Participation in the integration of particle detectors at experiments,
- Willingness to travel to research institutions abroad for several weeks,
- Engagement in teaching,
- Willingness to obtain the necessary qualifications in radiation protection.

Your profile:

- University education (master's degree/diploma) in mechanical engineering, materials science, physics or related subjects,
- Experience in design and construction of particle detectors,
- Experience with handling and treatment of specialized materials such as glas/carbon fibers, synthetic materials, composite materials etc.
- Experience with CAD systems,
- Experience with simulation software,
- Ability to cooperate and to work in a team,
- Fluency in German and/or English, with the intend to acquire missing knowledge in one of these languages.

We offer:

- A diverse and challenging work with one of the largest employers in the region and security of employment,
- Occupational retirement scheme (VBL),
- Numerous offers for university sports,
- A very good connection to public transport and the possibility to purchase a VRS large customer ticket or to use low-priced parking offers,
- Permanent employment with remuneration according to salary group 13 TV-L,

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university and has a dual career service. It aims to increase the proportion of women in areas where women are underrepresented and to particularly facilitate their careers. Therefore, the University of Bonn strongly encourages applications from qualified women. Applications will be handled in accordance with the State

Equality Act (“Landesgleichstellungsgesetz”). Applications from qualified individuals with a certified severe disability and from those of equal status are particularly welcome.

Applications for this position should include a cover letter, curriculum vitae, copy of relevant certificates, list of publications, and other relevant documents, and should be sent **in a single PDF file**, stating the vacancy number **10.22.331**, by email to sprecher@ftd.uni-bonn.de before **March 31, 2022**. For further information, please contact the spokespersons of the FTD, Prof. Dr. Jochen Dingfelder (dingfelder@physik.uni-bonn.de) and Prof. Dr. Bernhard Ketzer (Bernhard.Ketzer@uni-bonn.de).