



The Rheinische Friedrich-Wilhelms-Universität Bonn is an international research university that offers a wide range of degree programs. With 200 years of history, about 38,000 students, over 6.000 employees, and an excellent domestic and international reputation, Bonn University is among Germany's leading universities and has just been awarded the title of Excellence University.

Starting at the earliest date possible and preliminarily limited to a fixed contract for three years, with the possibility of extension, the Helmholtz-Institut für Strahlen und Kernphysik (HISKP) is seeking a

Research associate (100%)

to lead a hardware R&D team in the local LHCb group. The successful candidate will join the experimental physics group of Prof. Dr. Sebastian Neubert investigating exotic hadrons with heavy quarks at the LHCb experiment at CERN. To expand the capabilities of the experiment for future data taking, novel detector components for charged particle tracking at high track densities based on monolithic CMOS pixel sensors will be developed. For this purpose we build a new R&D team. The successful candidate will lead this team and participate in the future upgrade activities of the LHCb collaboration.

Your responsibilities:

- Leading the hardware R&D team
- Setting up and developing the laboratory infrastructure for the tracking project
- Actively participating in the collaborative efforts for the LHCb future upgrades and in the activities of the Research and Technology Center for Detector Physics (FTD) at the University of Bonn
- Supervising Bachelor, Master and PhD students, participating in university teaching and drafting applications for third party funding

Your qualifications:

- PhD in Physics or Electrical Engineering
- Proficient knowledge in the physics of charged particle tracking detectors
- Experience in designing and building detector systems, experience with the LHCb detector system is desirable
- Ability to communicate effectively with technical, academic and research staff as well as students, German language skills would be desirable
- Motivated, flexible, team oriented and interested in continued professional development

We offer:

- A varied and challenging position within a young and dynamic group
- Opportunity to present at international conferences and publish in recognized international journals
- Excellent laboratory space and offices with the most recent equipment at the new FTD facility. Different R&D groups with expertise on a wide range of technologies will work closely together there.
- In-house detector testing at the local cyclotron and ELSA accelerators
- Access to the PostDoc Plus program for early career researchers at Bonn university
- Participation in the university-wide pension system (VBL)
- A salary based on the 13 TV-L scale

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university and aims to increase the proportion of women employed in areas where women are under-represented and to promote their careers. To that end, it urges women with relevant qualifications to apply. Applications will be handled in accordance with the *Landesgleichstellungsgesetz* (State Equality Act). Applications from suitable candidates with a certified disability or equivalent status are particularly welcome.

If you are interested in (filling) this position, please send your **complete application documents** by 31.05.2020 to sekretar@hiskp.uni-bonn.de **with the application code 03/20/3.31**. Before sending your application, please combine and convert all of your documents into one PDF file. For further information please contact Prof. Dr. S. Neubert (Tel.: 0228/73-2226 Email: neubert@hiskp.uni-bonn.de)