



The **University of Bonn** is an international research university offering a broad range of subjects. With a 200-year history, some 35,000 students, more than 6,000 employees and an outstanding reputation in Germany and abroad, the University of Bonn is one of the leading universities in Germany and has been awarded the status of a University of Excellence.

The Helmholtz-Institut für Strahlen- und Kernphysik is looking to fill the following position **as soon as possible**, initially on a fixed-term contract for two years with the option of extension subject to the availability of funding:

Post-doctoral researcher in the ALICE experiment (full time)

The group of Prof. B. Ketzer is active in the field of experimental high-energy hadron physics and related detector development. The successful candidate is expected to contribute significantly to the operation and calibration of the upgraded ALICE Time Projection Chamber with GEM technology, and to the analysis of data from Run-3 with a focus on studying charmonium-like and exotic states in ALICE. In addition, contributions to the R&D for ALICE-3 are envisaged.

Your tasks:

- Contribute significantly to the operation and calibration of the ALICE TPC,
- Lead a physics analysis project related to the production of heavy-quark mesons or meson-like states in pp, p-Pb, and Pb-Pb collisions at the LHC,
- Possibility to contribute to the R&D for the ALICE-3 detector,
- Actively participate in the data taking of the experiment and in the relevant meetings,
- Supervise students and engage in teaching.

Your profile:

- University degree (master's or equivalent) and PhD degree in experimental nuclear or particle physics,
- Experience with large-scale particle detectors,
- Experience in data analysis,
- Motivation and ability to cooperate and to work in a team,
- Fluency in German and/or English, with the intent to acquire missing knowledge in one of these languages.

We offer:

- A diverse and challenging appointment with one of the biggest employers in the region and security of employment,
- The opportunity to gain experience in the supervision and guidance of students,
- Occupational pension (VBL),
- Many options available for university sports,
- Easy access to the public transport system due to the central location in Bonn as well as the possibility to use inexpensive parking facilities,
- Flexible working hours and the ability to work from home,
- Remuneration in accordance with TV-L pay grade 13 TV-L.

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. The University of Bonn seeks to increase female representation in staffing areas where women are underrepresented and provide special career support. Accordingly, the University of Bonn expressly encourages qualified women to apply. Applications will be handled in accordance with the NRW State Gender Equality Act. Applications from qualified candidates with a certified severe disability or from those of equal status are especially welcome.

If you are interested in this position, please send your **complete** application by email to Bernhard.Ketzer@uni-bonn.de by July 31, 2023, **quoting reference 30.23.331**. For technical reasons, applications may **only be submitted as a single PDF file**. Please do not hesitate to contact Prof. Dr. Bernhard Ketzer (phone +49 228 73 2539) if you need any more information.