

**The Physics Institute of the University of Bonn** has an opening for **Detector Hardware** in the Experimental Particle Physics Group.

## **Ph.D. Position (E13 67%)**

### **Pixel Detector Development and Construction for the ATLAS Phase 2-Upgrade**



The Ph.D. position is available in the High Energy Physics Group of Prof. Jochen Dingfelder. The group is involved in the ATLAS experiment at the Large Hadron Collider at CERN and the Belle II experiment in Japan, both in physics analysis and detector hardware development in the field of semiconductor detectors. We are engaged in the HL-LHC upgrade of the ATLAS pixel detector, the DEPFET detector for Belle II, the development of CMOS pixel detectors as well as imaging applications.

The focus of the Ph.D. position will be on development, testing and module construction for the pixel detector of the ATLAS Inner Tracker Upgrade. Applicants should be interested in detector R&D and construction, possess the necessary technical skills and enjoy working in a team as a member of our Silicon Lab (SILAB) group at the new Research and Technology Center Detector Physics (FTD) of the University of Bonn.

The salary corresponds to 67% TV-L E13 for German public service contracts. The Ph.D. position is for three years and can be filled immediately. Interested candidates are requested to submit a CV and a statement of experience before February 28, 2022. Reference contacts should be provided.

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 should be sent by email to: [dingfelder@physik.uni-bonn.de](mailto:dingfelder@physik.uni-bonn.de)

For further information please contact:

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