

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

Ph.D. Position (E13 50%)

IC Design for Pixel Detector Development



The Ph.D. position is available in the High Energy Physics Group of Prof. Jochen Dingfelder and Prof. Norbert Wermes. The group is engaged in the HL-LHC upgrade of the ATLAS pixel detector, the DEPFET detector for the Belle II experiment, the development of CMOS pixel detectors and imaging applications. Applicants should be interested to actively get involved in research and development of pixel detectors and related ASIC electronics.

We offer:

- Interesting developments embedded in international collaborations
- Various fields of applications: HEP, X-ray imaging, medical applications
- Advanced tools and technology (65nm and beyond), post-processing
- Access to continuing education (e.g. training courses)

We look for interest in one or more of these fields:

- Mixed signal design
- Analog front ends
- TCAD simulation
- Serial links
- High-speed ADC
- Digital design flow

The salary is according to 50% of 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. Reference contacts should be provided.

Preferential consideration will be given to women according to §49 UG (NRW) if they are equally qualified and possess the same level of competence and professional achievements. Disabled applicants with the same qualifications as other candidates are preferably employed.

For further Information please contact

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