

## PhD student position

### Topic: Developments for the Upgrade of the ATLAS Pixel Detector

The University of Wuppertal, Faculty of Mathematics and Natural Sciences,

offers a position as

#### **Research Assistant**

at 50 % of the standard working hours.

Pay scale: German public sector salary level E 13 TV-L

Starting date: as soon as possible

#### Required qualifications

- Master of Science or comparable degree in physics or electrical engineering
- Specialization in experimental particle physics or a closely related field
- Experience in experimental techniques and electronics
- Experience in programming, e.g. Python, C++ or similar

#### Job Description

The research group experimental particle physics at the University of Wuppertal is involved in the LHC experiment ATLAS at CERN. In this framework, the group contributes to the development and construction of a new inner tracking detector, more specific the pixel detector.

The candidate is expected to contribute to the detector control and interlock system (DCS) of the future pixel detector of ATLAS. This system consists of a large number of hardware and software components and is developed and build together with other research groups at CERN and international universities.

The position is initially limited until June 30<sup>th</sup>, 2021. An extension, depending on the availability of funds, is foreseen. The position offers the opportunity to obtain a PhD in physics or electrical engineering.

#### **Reference number: 19128**

Applications, including all relevant credentials and quoting the reference number, should be sent to Bergische Universität Wuppertal, Fakultät 4 - Mathematik und Naturwissenschaften, Univ.-Prof. Dr. Christian Zeitnitz, Gaußstraße 20, 42119 Wuppertal, Germany or by email to:

[zeitnitz@uni-wuppertal.de](mailto:zeitnitz@uni-wuppertal.de)

Please arrange for two letters of reference to be sent to the above address.

Applications from women are expressly welcome. Women will be given preferential treatment in accordance with the NRW State Equal Opportunities Act, unless there are compelling reasons in favour of a competitor. The rights of severely disabled persons to be given preferential consideration in the event of equal suitability shall remain unaffected.

**Application deadline: 23. June 2019**