

## PhD student position in ATLAS data analysis

The University of Wuppertal, Faculty of Mathematics and Natural Sciences, invites applications for a PhD student position in experimental particle physics in the area of ATLAS data analysis.

### Requirements

- Master of Science degree (or equivalent) in physics
- Specialization in experimental particle physics or a closely related field
- Experience in data analysis techniques
- Programming skills (C++ or Python)

### Job description

The experimental particle physics group in Wuppertal has a long standing involvement in the ATLAS experiment at CERN in the area of detector development, operation, computing, and data analysis. The candidate is expected to contribute to the analysis of processes involving W- and/or Z-Bosons in light of cross-section measurements and/or searches for physics beyond the Standard Model.

Frequent or long term stays at CERN are possible in the course of the project.

The projects offers the possibility to obtain a PhD in experimental physics.

The position is financed through the German Ministry for Education and Research (BMBF) until the end of the present funding period (June 30, 2018) and will be extended to a period of 3 years (subject to funding approval).

For questions, please contact Prof. Christian Zeitnitz ([zeitnitz@uni-wuppertal.de](mailto:zeitnitz@uni-wuppertal.de)) or Dr. Frank Ellinghaus ([ellinghaus@uni-wuppertal.de](mailto:ellinghaus@uni-wuppertal.de)).

**Pay scale:** 50% E13 TV-L

**Reference number:** 17087

### Application

Applications including a curriculum vitae, a brief description of research experience and interests, a link to the master/diploma thesis if already available, and copies of relevant degrees should be sent to Prof. Christian Zeitnitz and Dr. Frank Ellinghaus by email, preferably as a single pdf document. Please also provide the names and contact addresses of two persons who could provide letters of reference.

The University of Wuppertal aims at increasing the percentage of women in academic positions and strongly encourages women scientists to apply. The University is an equal opportunity employer and particularly welcomes applications from persons with disabilities.

**Deadline July. 15<sup>th</sup>, 2017**