



BERGISCHE UNIVERSITÄT WUPPERTAL

The experimental particle physics group at the University of Wuppertal, School of Mathematics and Natural Sciences, invites applications for the position of a

Ph.D. student

to work on the analysis of data of the ATLAS detector at the LHC.
The position can start June 1st, 2018 and is initially limited to three years.

Pay scale: German public sector salary level E 13 TV-L (50 %)

Required qualifications

- Master of Science or comparable degree with a focus in particle physics
- Experience in the analysis of data of particle physics experiments and programming is recognized as an asset

Job description

The experimental particle physics group at Wuppertal is strongly engaged in the data analysis and the operation of the ATLAS detector at the LHC. With the LHC operating at a record centre-of-mass energy of 13 TeV, a window to observe new phenomena has been opened. With the new position we plan to strengthen our involvement in searches for physics beyond the standard model. Synergies with on-going research activities in top-quark physics can be exploited. A key component of such an analysis will be the improvement and the tuning of algorithms to identify b-quarks. A contribution to the operation of the ATLAS detector is also mandatory. There is the opportunity for an extended stay at CERN.

The position is subject to the German labour law concerning non-permanent contracts in science (German: Wissenschaftszeitvertragsgesetzes [WissZeitVG]), supporting candidates aiming for graduation as Ph.D. (Dr. rerum naturalium). The contract is limited until graduation, initially for three years. An extension to complete the Ph.D. is possible within the legal boundaries of the WissZeitVG.

Reference number: 18041

Questions on the position can be directed to Prof. Dr. Wolfgang Wagner (wagner@uni-wuppertal.de).

Applications including all relevant credentials (curriculum vitae, copies of certificates of degrees, a letter of motivation, a link to the master or diploma thesis and the name and contact address of one referee) should be sent by email to: wagner@uni-wuppertal.de. Please quote the reference number and merge the application documents to one PDF file. Alternatively, the application can be sent in paper form to Bergische Universität Wuppertal, Fakultät für Mathematik und Naturwissenschaften, Arbeitsgruppe Experimentelle Elementarteilchenphysik, Prof. Dr. Wolfgang Wagner, Gaußstraße 20, 42119 Wuppertal.

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

Application deadline: April 15th, 2018