HUMBOLDT-UNIVERSITÄT ZU BERLIN

Postdoctoral Position with the Experimental High Energy Group at the Humboldt University of Berlin

The Experimental High Energy Group at the Physics Department of Humboldt University of Berlin (HUB) invites applications for a postdoctoral position with the ATLAS Experiment at the LHC and potentially non-collider based particle physics experiments and/or detector development. Duties also include teaching, outreach, supervision of students and supporting Prof. Issever in the organization of the HEP Group.

We are seeking a talented, highly qualified and strongly motivated post-doctoral research assistant to work on six year fixed term contract based on the German WissZeitVG law with the qualification aim of a habilitation and the eventuality to be tenured afterwards. Salary (TV-L HU, E13) and benefits are commensurate with public service organizations in the Land of Berlin.

The particle physics groups at HUB are broadly focused on searches for new physics and the exploration of the Higgs sector with the ATLAS experiment. Performance areas that the group is involved in are: JetEtmiss, flavour tagging, Higgs tagging and triggers. There are also research activities on non-collider based high energy physics experiments possible or LHC research in collaboration astro-particle physics.

The successful candidate will be expected to play a leading role in the ATLAS data analysis, and have major roles in Higgs and Beyond the Standard Model physics. The positions also include the supervision of undergraduate and PhD students, teaching and outreach work. There could be also the possibility to work on non-collider based high-energy experiments, LHC measurements relevant for astro-particle physics and/or detector R&D.

Applicants should hold a doctoral degree (with above-average grade) in particle physics or equivalent field and should have a proven record of high quality research in experimental particle physics and experience in the analysis of large-scale experimental data, software design and object-oriented programming. Familiarity and confidence in Linux operating systems, C++ and Python (both in writing new and/or maintenance of existing code) is necessary. The candidate should have proven track record of successfully leading projects and groups. They should have the ability to identify research objectives and subsequently conceive, plan and execute appropriate activities to given deadlines. They should have the ability to work in a structured and independent manner and they should have excellent problem solving skills. Applicants should have the ability to work collaboratively as a member of a team and excellent communication skills, including the ability to write publication, present results with authority at conferences and workshops, represent the research group at meetings, and ability to communicate effectively both orally and in writing with a range of audiences including academic and technical staff. Applicants should have an excellent written and spoken English and if necessary the willingness to learn German. Applicants need to be willing to travel to CERN. The position will be based at HUB.

The positions are available **as soon as possible and are fixed term contract for maximum six years** with the aim to “habilitate”. There is the potential that the position could be tenured afterwards. Payment is according to the German TV-L system. The Humboldt University of Berlin is an equal opportunity employer. Suitable qualified women as well as persons with disabilities are encouraged to apply.

Applications should be sent to yulia.jagodzinski@physik.hu-berlin.de until **16.08.2020**, and should include curriculum vitae, a short teaching statement, a short research statement and interests, copies of certificates of degrees, and the names and contact addresses of three referees. In addition, you should arrange for the three letters of reference to be sent to yulia.jagodzinski@physik.hu-berlin.de by the closing date.

Please send your application quoting the reference number **AN/171/20**. Please visit our website www.hu-berlin.de/stellenangebote, which gives you access to the legally binding German version.

Informal enquiries about the posts may be made to Prof. Dr. Cigdem Issever.