Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

1919 2019
100 JAHRE WISSENSWERFT
Universität Hamburg

Faculty/Department:	Mathematics, Informatics, Natural Sciences/Physics
Seminar/Institute:	Institute for Experimental Physics

Pending approval of external funding Universität Hamburg invites applications for a Research Associate for the project **"Experimental High Energy Physics (CMS experiment, PhD positions)"** in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on as soon as possible.

It is remunerated at the salary level TV-L 13 and calls for 50 % of standard work hours per week*.

The fixed-term nature of this contract is based upon Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed for a period of three years.

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Responsibilities:
Duties include academic services in the project named above. Research associates can also pursue independent research and further academic qualifications.

Specific Duties:
Our group is deeply involved in the CMS experiment at CERN's Large-Hadron-Collider. Candidates are expected to engage in one of the following research fields:
• Development of experimental techniques for boosted heavy object identification
• Search for phenomena beyond the Standard Model, in particular boosted searches
• Vector-Boson-Scattering, Higgs and Electroweak physics
• Development of new silicon pixel detectors
Contributions to the running and calibration of the detector, reconstruction software or computing are expected as well. Our group consists of more than 60 members and is deeply involved in detector R&D as well as calibration and data analysis of the CMS experiment. Interested candidates will be offered the opportunity for own research, advanced training and development of teaching skills in a stimulating scientific environment. Third party funding is available through the Emmy-Noether research group "Precision searches for new physics with boosted bosons" (Dr. A. Hinzmann) funded by the German Research Foundation (DFG). A close collaboration exists with the research groups in experimental and theoretical physics of DESY located on the same campus.

* Full-time positions currently comprise 39 hours per week.

Requirements:
A university degree in a relevant field. Excellent communication skills are required.

Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

For further information, please contact Dr. A. Hinzmann (andreas.hinzmann@uni-hamburg.de) or consult our website at www.iexp.uni-hamburg.de/groups/pd and www.boostedbosons.uni-hamburg.de.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 15 Feb. 2019. Later applications are considered until the position is filled. Please send applications to: andreas.hinzmann@uni-hamburg.de.

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