

# UNIVERSITY OF HAMBURG

**Faculty:** Mathematics, Informatics und Natural Science  
**Department:** Physics  
**Institute:** Institute for Experimental Physics

The university invites application for several

## **Post-Doc Research Associates** in **High Energy Physics (CMS experiment).**

Salary is according to German standard TV-L 13. The position calls for 39 hours per week and initially is limited to three years. (see also § 2 of the Academic Fixed-Term Contract Law (Wissenschaftszeitvertragsgesetz)).

The university intends to increase the number of women amongst its academic personnel and expressly encourages qualified women to apply. In compliance with the Hamburg Equal Opportunity Law, preference will be given to qualified female applicants.

### **Scientific Environment**

The Department of Physics conducts leading edge research in a very international environment in particle physics (LHC, neutrino physics), detector R&D, astroparticle physics, accelerator development, astronomy, nano and photon science. Members of the high energy physics group actively participate in the CMS experiment located at the CERN LHC and in the development of silicon detectors and calorimeters. Third party funding is available through the federal initiative FSP-102 "Physics with the CMS Experiment" by the German ministry for education and research (BMBF), through the Excellence Cluster "Connecting Particles with the Cosmos" by the State of Hamburg and through the SFB-676 "Particles, Strings and the early Universe" by the German Science Foundation (DFG). A close collaboration exists with research groups in experimental and theoretical physics of DESY, which is located on the same campus.

### **Responsibilities:**

Our group is deeply involved in detector R&D as well as calibration and data analysis of the CMS experiment. Candidates are expected to engage in data analysis on top physics or searches for supersymmetry and other new phenomena. Contributions to the construction of the new CMS pixel detector or detector calibration are welcome as well.

Interested candidates will be offered the opportunity for own research, advanced training, supervisions of students and development of teaching skills. Additional scientific accomplishments are encouraged.

### **Requirements:**

Applicants are required to hold a doctoral degree in physics, to have an excellent research record and good communication skills. Preference will be given to disabled applicants with equal qualifications.

Deadline for applications is 15.10.2012. Later applications are accepted until the positions are filled. Interested candidates are requested to submit a CV, a summary of professional experience and a statement of research interests together with at least two names for reference letters to: Prof. P. Schleper, [peter.schleper@physik.uni-hamburg.de](mailto:peter.schleper@physik.uni-hamburg.de)

For more detailed information, please contact:

Prof. P. Schleper, Tel. +49 (0)40 8998 2957, [www.desy.de/~schleper](http://www.desy.de/~schleper) or

Prof. J. Haller, Tel. +49 (0)40 8998 4710, [www.desy.de/~haller](http://www.desy.de/~haller).