

## UNIVERSITY OF HAMBURG

The Institute for Experimental Physics at the University of Hamburg invites applications for several

### **Post-Doctoral Positions in Experimental High Energy Physics.**

Our group is planning to extend its research in the areas of detector development and physics analysis with the CMS experiment at the CERN LHC.

Salary is according to German standard TV-L 13 and the positions are initially limited to three years with a possibility for extension.

The University of Hamburg is an equal opportunity employer and welcomes applications from all qualified individuals. We aim at increasing the representation of women among our staff and, therefore, explicitly encourage applications from female scientists.

The Department of Physics conducts leading edge research in a very international environment in particle physics (LHC, HERA, neutrino-physics), accelerator development, astroparticle physics, astronomy, nano-science and photonics.

Members of our group actively participate in the CMS experiment located at the CERN LHC, in the ZEUS experiment at the DESY HERA and in the development of silicon detectors. Funding is available through the federal initiative „Forschungsschwerpunkt FSP-102 „Physics with the CMS Experiment“ by the German ministry for education and research (BMBF), through the newly founded Excellence Cluster „Connecting Particles with the Cosmos“ by the State of Hamburg and through the Sonderforschungsbereich 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 the Deutsches Elektronen-Synchrotron DESY, which is located on the same campus.

Applicants are required to hold a PhD degree. Possible research topics include:

- Development of silicon detectors for particle physics experiments,
- GRID-computing,
- Calibration and Alignment of the CMS tracking detector,
- Jet Calibration,
- Top-Quark-Physics,
- Supersymmetry.

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

Disabled persons are given priority over applicants of equal suitability, qualification and degree of specialized knowledge.

Applications including a statement of research interests, curriculum vitae and certificates should be sent before 10.2.2010 to:

Prof. Dr. Peter Schleper, [peter.schleper@physik.uni-hamburg.de](mailto:peter.schleper@physik.uni-hamburg.de).

For more detailed information, please contact:

Prof. Dr. Peter Schleper, Tel. 040 8998 2957, [www.desy.de/~schleper](http://www.desy.de/~schleper).