



**University of Hamburg  
Department of Physics  
Institute for Experimental Physics**



Starting Oct. 1<sup>st</sup>, 2007 the Detector Laboratory of the Institute for Experimental Physics has several openings for

**Post-doc in Experimental Particle Physics/Detector Physics (E13 TV-L)  
and  
PhD in Experimental Particle Physics/Detector Physics (1/2 E13 TV-L)**

The positions are financed by the "HGF-Alliance – Physics at the TeraScale", the project "Physics with the CMS detector at the LHC", funded by the German Ministry of Science, and the R&D-project "HPAD" of the European Free-Electron-Laser XFEL. The positions are limited to 3 years and the weekly working time is 39 hours.

The University of Hamburg is an equal opportunity/affirmative action employer and welcomes the application of qualified women. Women will be given preference in case of equal qualifications.

**Research topics**

The aim is the development of pixel detectors for experimentation at the sLHC, ILC and the European Free-Electron-Laser XFEL. The work is in close collaboration with groups from the Institute of Experimental Physics, DESY and national and international groups working in the fields of particle physics, research with photons and accelerator science. The detector laboratory at Hamburg, located on the DESY campus, has a leading position in microscopic and macroscopic investigations of radiation damage in silicon and in the experimental investigation and simulation of detectors. In addition detector systems are developed and exploited for the own research.

The Institute for Experimental Physics participates in a graduate program in particle physics, photonics and accelerator physics. The post-docs are expected to contribute to teaching and supervision of graduate students.

**Requirements**

For **post-docs**: PhD in particle physics, detector physics, photon science or solid state physics.

For **PhD-students**: Master or Diploma in physics and a keen interest to work in the field of solid state detectors.

Handicapped applicants will be given preference in case of equal qualifications.

Applications with the usual papers (letter of application, CV, academic records, list of publications, and the names of at least two persons which can provide information about the applicant) should arrive by September 15<sup>th</sup> 2007 at:

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