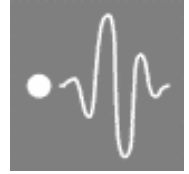




**University of Hamburg  
Department of Physics  
Institute for Experimental Physics**



Starting April 1<sup>st</sup> 2009 the Institute for Experimental Physics has an opening for

**PhD in Experimental Particle Physics (1/2 E13 TV-L)**

The position is financed by the University of Hamburg within the Helmholtz Young Investigators Group „Physics of gluons and heavy quarks from HERA to the LHC: precision measurement of the gluon density at HERA and its application for cross section measurements at the LHC“. The project is supported by the Impuls- und Vernetzungsfond of the Helmholtz foundation. The group participates in the experiment H1 at HERA and CMS at the LHC. The positions are limited to 3 years and the weekly working time is 20 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 successful candidate will work on heavy quark production and extraction of the gluon density in the proton at HERA. You will make a significant contribution to the analysis of the existing experimental data and perform the QCD fits in order to extract the parton density distributions in the proton. You will participate actively in the work of the HERA Heavy Flavour Combination Group. The results of your work will provide an important contribution to the final HERA publications.

The Group works in close collaboration with groups of DESY and the Universities of Mainz and Wuppertal.

**Requirements:**

Master/Diploma in physics. Experience in data analysis or simulations and programming skills is an advantage.

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

Applications with the usual papers (letter of application, CV, academic records, list of publication, and the names of at least two persons which can provide information about the applicant) should arrive by March 1<sup>st</sup> 2009 at:

Prof. Dr. R. Klanner  
Institute for Experimental Physics  
Luruper Chaussee 149  
D-22761 Hamburg  
(Tel. +49-40-8998-2558; Email [Robert.Klanner@desy.de](mailto:Robert.Klanner@desy.de))

Further information by: Dr. Katerina Lipka, Tel. +49 40 8998 1882/1983, [Katerina.Lipka@desy.de](mailto:Katerina.Lipka@desy.de)