



The Institute of Physics at the Johannes Gutenberg-University Mainz has an opening for

Physicist (Ph.D.) (E13),

starting 1 April 2008 to work on the ATLAS Experiment at the Large Hadron Collider (LHC).

The position is partially funded by the Strategic Helmholtz Alliance "Physics at the Terascale"*.

The successful candidate will join the ATLAS group in Mainz to work on the analysis of the first data to be taken with ATLAS, contributing to initial measurements of Standard Model processes and the understanding of the detector response, as well as to searches for new physics processes beyond the Standard Model (e.g. Supersymmetry, large extra dimensions). Furthermore the candidate is expected to develop, optimize and refine statistical methods and tools for data analysis and thus support the work of analysis groups with the Alliance. Experience in advanced techniques of data analysis in running high energy physics experiments will be an additional asset.

The Mainz ATLAS group has made major contributions to the experiment in the areas of calorimetry as well as the trigger and data acquisition system. Presently the emphasis is on the commissioning of the detector and on the preparation for the data taking phase, this includes setting up of a sizeable local Tier-3 computing cluster. Further activities of the particle physics group in Mainz include the D0 experiment at Tevatron, the NA48/62 experiments at CERN and the IceCube experiment at the South Pole.

The initial appointment will be made for two years, with a possible extension (subject to review) for a further period of two years. The payment scale will be according to the German federal state system (E13 TV-L).

Interested candidates are requested to submit their CV, description of professional experience, a statement about past and planned research activities as well as the names of two persons who can provide further information about the applicant by 31 December 2007.

Applications (preferably via email) should be sent to
Prof. Ian C. Brock (Scientific Manager of the Helmholtz Alliance)
DESY, Notkestrasse 85, D-22607 Hamburg
(Email Ian.Brock@desy.de)

For further information please contact Prof. Stefan Taprogge (stefan.taprogge@uni-mainz.de).

The Johannes Gutenberg-Universität Mainz aims at increasing the percentage of women in research positions and strongly encourages women scientists to apply. The University is an equal opportunity employer and particularly welcomes applications from persons with disabilities.

*The Strategic Helmholtz Alliance "Physics at the Terascale" (<http://www.terascale.de>) is a research network supported by the Helmholtz Association and comprises the research centres DESY and FZ Karlsruhe, 17 German Universities, and the Max-Planck Institute for Physics. Within the framework of the worldwide investigation of the fundamental properties of matter using accelerators at the highest energies, the Alliance will sustainably concentrate and advance the expertise and strengths of the participating institutes.