INSTITUT FÜR THEORETISCHE PHYSIK E
RWTH AACHEN

Helmholtz Alliance Fellowship

The Institute of Theoretical Physics at the RWTH Aachen is seeking applicants for a **Helmholtz Alliance Fellowship** in theoretical particle physics, with a particular emphasis on precision calculations for high-energy collider processes in the Standard Model and beyond. The appointment is for five years to begin in fall 2008 and is partially funded by the Strategic Helmholtz Alliance "Physics at the Terascale"*.

The Particle Theory Group currently consists of Martin Beneke, Werner Bernreuther, Michael Krämer, Peter Zerwas, Jiri Jersak, Lalit Sehgal, ten postdoctoral fellows, and a number of doctoral and diploma students. The interests of the group include a wide range of topics in particle physics phenomenology and field theory (LHC phenomenology, B-meson, Higgs and top quark physics, CP violation, strong interactions, extensions of the standard model), and in general relativity and cosmology. The Particle Theory Group is part of the Sonderforschungsbereich/Transregio "Computational Particle Physics", the Helmholtz Alliance "Physics at the Terascale", and various EU Marie Curie Research Training Networks. There are close links with the experimental groups in Aachen working on high-energy collider and astroparticle physics.

Interested candidates are requested to submit their CV, description of professional experience, a statement about past and planned research activities by 31 December 2007. Applications (preferably via email) as well as two letters of recommendation 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. Michael Krämer (Email mkraemer@physik.rwth-aachen.de).

* 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.