



JOHANNES  
GUTENBERG  
UNIVERSITÄT  
MAINZ



## Johannes Gutenberg-Universität Mainz, Institut für Physik

### Postdoctoral Position – Helmholtz Alliance Fellowship

The Theoretical High-Energy Physics Group at the Institute of Physics of the Johannes Gutenberg University in Mainz invites applications for a **Helmholtz Alliance Fellowship** in theoretical particle physics, with emphasis on precision calculations for high-energy collider processes in the Standard Model and beyond. Starting Fall 2008 or earlier, the appointment is initially for two years, with a possible extension for up to five years. The position is partially funded by the Strategic Helmholtz Alliance "Physics at the Terascale".\* The Johannes Gutenberg University 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 Theoretical High-Energy Physics Group consists of Matthias Neubert, Nikolaos Papadopoulos, Martin Reuter, Hubert Spiesberger, Stefan Weinzierl, Jürgen Körner, Florian Scheck, Karl Schilcher, Ulrich Haisch, Matthias Jamin (Visiting Professor), five postdoctoral fellows and several graduate and diploma students. The interests of the group include a wide range of topics in particle physics phenomenology (including collider physics, flavor physics, effective field theories, higher-order perturbative calculations, physics beyond the Standard Model), and quantum gravity. There are close links with the experimental groups in Mainz working on high-energy collider physics and astroparticle physics.

Interested candidates are requested to submit their CV, description of professional experience, a statement about past and planned research activities by December 15, 2007. Applications (preferably via email) and two letters of recommendation should be sent to:

*Prof. Ian C. Brock*  
*Scientific Manager, Helmholtz Alliance*  
*DESY, Notkestraße 85*  
*D-22607 Hamburg, Germany*  
*Ian.Brock@desy.de*

For further information please contact Prof. Matthias Neubert ([neubertm@uni-mainz.de](mailto:neubertm@uni-mainz.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.