



**The Research Training Group (Graduiertenkolleg 1504)  
“Mass, Spectrum, Symmetry: Particle Physics in the Era of the Large Hadron Collider”,**

funded by the Deutsche Forschungsgemeinschaft as a cooperation  
between Humboldt University Berlin, Technical University Dresden and DESY at Zeuthen

offers

**3 positions for PhD students**

in the field of experimental and theoretical elementary particle physics and astroparticle physics.

The graduate program will integrate different fields of research in the experimental and theoretical aspects of particle physics according to the challenges emerging from the Large Hadron Collider (LHC) at CERN.

Main research topics are data analysis with ATLAS, astroparticle physics with IceCube and H.E.S.S., double beta decay, LHC phenomenology, quantum field and string theory as well as lattice gauge theory.

We are looking for excellent doctoral students with a university degree (diploma or master) from Germany or abroad.

The positions are offered **from July, 1<sup>st</sup>, 2009 at the earliest**, lasting for a maximum of three years.

Applications are to be handed in as soon as possible to the coordinator of the graduate school Dr. Martin zur Nedden (nedden@physik.hu-berlin.de), Department of Physics, Humboldt-University Berlin. Applications will be accepted until the positions are filled.

The application is **exclusively online** at our webpage:

**<http://www.masse-spektrum-symmetrie.de>**

The application should include C.V., copies of certificates of degrees, a letter of motivation specifying the field of research interest and the names and contact address of two referees. Please arrange that the letters of recommendation are sent directly by the referees to the coordinator.

Further information about the graduate school and the process of application are available on the web page.

We especially encourage the application of qualified women. Handicapped candidates with equal qualification will be preferred.