**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

**2 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 Mai 1st , 2011 in Dresden and from July 1st in Berlin at the earliest**. The contract will be limited initially up 30.09.2013 with the option of prolongation to maximal 3 years in total if the financing is guaranteed.

Applications are to be handed in by February 28th, 2011 to the scientific coordinator of the graduate school **Dr. Martin zur Nedden, Institut für Physik, Humboldt-Universität zu Berlin, Newtonstrasse 15, 12489 Berlin (nedden@physik.hu-berlin.de)**. The application is required **online** at our wepage, an additional postal application is optional:

**http://www.masse-spektrum-symmetrie.de/application**

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 are explicitly motivated to apply.