

At the **Faculty of Science, Department of Physics**, in the **Institute for Nuclear and Particle Physics** we have an opening for a

**Postdoctoral Fellow in Experimental Particle Physics (E 13 TV-L)**

The position is starting after 01.12.2009 for an initial period of three years with a possible extension of two years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG).

The ATLAS group in Dresden is a member of the “Forschungsschwerpunkt FSP-101” of the BMBF, the Helmholtz-Alliance “Physics at the Terascale” and of the Graduate school 1504 “Masse, Spektrum, Symmetrie” of the DFG. Activities of our group include studies of signal and background processes for Higgs boson searches both within and beyond Standard Model, reconstruction and identification of tau-leptons as well as operation and maintenance of the ATLAS Liquid-Argon calorimeter.

**Duties:** The successful candidate is expected to play a leading rôle in our data analysis activities. He/she will contribute to the maintenance of the local computing cluster in close collaboration with the Dresden Center for High Performance Computing (ZIH). Participation in the development of digital readout electronics at the interface to the trigger system for the upgrade of the liquid-Argon calorimeter in the context of the sLHC project and contributions to the teaching activities at the faculty are possible.

**Qualification:** A Ph.D. in experimental high energy physics is required. The successful candidate should have an excellent record of scientific achievements and the ability to coordinate the scientific activities of the group. Experience in the field of “Distributed Computing” or in digital electronics and fast serial networks would be an asset. Exceptional candidates will be offered the possibility of a “Habilitation”.

Applications from women are particularly welcome. The same applies to disabled people.

Please submit your application by **August 27, 2009** (Deadlines refer to the date on the postmark of the University’s Post Room Service) including your CV, a summary of research interests, list of publications with own contributions, a copy of the certificate of your highest academic degree and three names of referees to **TU Dresden, Fakultät Mathematik und Naturwissenschaften, Fachrichtung Physik, Institut für Kern- und Teilchenphysik, Herrn Prof. Dr. M. Kobel, 01062 Dresden, Germany** or to [IKTP@physik.tu-dresden.de](mailto:IKTP@physik.tu-dresden.de) (Please note: We are currently not able to receive electronically signed and encrypted data).