

Faculty of Science

The **Department of Physics, Institute of Nuclear and Particle Physics**, offers positions for

2 Research Fellows / PhD Positions

(Subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting at the **next possible date**. The positions entail 50% of the fulltime weekly hours and are initially limited until June 30, 2018, and will be prolonged until the end of the PhD qualification (subject to funding approval). The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG). The position offers the chance to obtain further academic qualification (e.g. PhD).

The positions will be in the Dresden ATLAS research group lead by Prof. Dr. Michael Kobel and Prof. Dr. Arno Straessner, one of the leading groups in measurements of vector boson scattering processes and searches for new states decaying to tau pairs at the Large Hadron Collider (LHC) at CERN. The envisaged research programme is part of the German-wide research network "Forschungsschwerpunkt FSP-103 ATLAS" of the BMBF focusing on particle physics at highest energies

Tasks: physics analysis, data reconstruction and scientific service work in the following fields: 1: Vector boson scattering with Run-2 data and forward electron identification (with Michael Kobel); 2: Higgs boson and particle search beyond the Standard Model and improved identification of hadronic tau decays (with Arno Straessner).

Requirements: very good university degree (Master's or equivalent) with specialization in particle physics; research experience related to LHC measurements or equivalent expertise; high motivation to join a research group in the ATLAS experiment.

For further information about the positions you are invited to contact michael.kobel@tu-dresden.de and arno.straessner@tu-dresden.de.

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

Application documents should include a Curriculum Vitae, a brief description of the candidate's research experience and interests. Recommendation letters by 2 referees shall be provided to the same address. Please send your application documents until **10.02.2017** (stamped arrival date of the university central mail service applies) to: **TU Dresden, Fakultät Mathematik und Naturwissenschaften, Fachrichtung Physik, Institut für Kern- und Teilchenphysik, Frau Nicole Beyer, 01062 Dresden**, or preferably as a single pdf-document via e-mail to iktp@physik.tu-dresden.de (Please note: We are currently not able to receive electronically signed and encrypted data.). Please submit copies only, as your application will not be returned to you.