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At the University of Rostock, Faculty of Mathematics and Natural Science, Institute of Physics, subject to budgetary regulations, applications are invited for the position starting as soon as possible, for three years.

Doctoral Researcher (m/f/d)

(EG 13 TV-L, Part-time employment 50%, limited for 3 years, qualification spot)

Remit:

The capability to image valence electrons in solids in space and time could open new horizons in material science, chemistry, electronics, photonics and biology. The main goal of this doctoral project is to utilize state-of-the-art laser sources developed in the group of Prof. Goulielmakis to probe electrons in complex materials ranging from semiconductors to organic crystals. The experimental techniques utilized will involve high harmonic generation in bulk solids, photoelectron spectroscopy and attosecond streaking and will be implemented with synthesized light fields. The candidate will join a team of experienced researchers in the area of ultrafast physics, attosecond physics and solid-state technology.

The tasks include experimental research and the development of theoretical concepts. The University of Rostock offers a broad spectrum of study programs to more than 15.000 students. It is divided into nine faculties, which are cross-linked by the faculty of Interdisciplinary Research. The faculty of Mathematics and Natural Science comprises four research institutes.

Requirements:

- University degree in physics or related (Master or similar)
- Interest in basic research and laser science
- Ability to work in a team and in new subject areas
- Experience in experimental research, including laser physics, solid state or atomic physics
- Previous experience in ultrafast science will be a strong advantage

We offer:

- A multi-faceted, diverse and challenging occupation in a university which is rich in tradition but at the same time innovative, modern and family-friendly, being situated in a lively city at the Baltic Sea
- Employment in accordance with the provisions of the public sector's wage agreement (TV-L, MV)
- The possibility to accomplish a PhD degree
- The salary will be paid according to TV-L/13 Ü if the personal and tariff prerequisites are fulfilled

Further information:

The limitation of the term of employment complies with § 2 (1) WissZeitVG.

Equal opportunity is an essential part of our human resources policy. In case of equal qualification, applications from severely disabled people or equivalent are explicitly welcome. The University of Rostock seeks to increase the proportion of women in research and teaching and particularly encourages female applicants to apply for this position. Applications from foreign scientists and people with migration background are appreciated.

On Request, the Personnel Council can be brought in. Please submit a formless application to your application documents.

We are looking forward to your application. Please send your informative documents until **August 31, 2019** with the e-mail subject „**Advertisement W 46/2019**“ to bewerbungen.personal@uni-rostock.de. Only applications, which are send to this e-mail-address, in time and as one single pdf-document, will be included in the selection process. The protection of your personal data is very important to us. Therefore, your data collected as part of the application process are collected, processed and used in accordance with the relevant data protection rules.

Please note that the Federal State of Mecklenburg-Vorpommern does not reimburse application and travel costs.

For further questions, please contact:

Institute of Physics
Administration

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