

Mee(h)r als nur Studieren

Wer eine traditionsreiche Universität und den Mut zu Innovationen gleichermaßen zu schätzen weiß, ist an unserer Universität in der jungen und lebendigen Hansestadt Rostock richtig.



Job Announcement P149/2020

The University of Rostock provides exciting opportunities in a modern and family-friendly university in a lively city by the Baltic Sea.

The Faculty of Mathematics and Natural Sciences, Institute for Physics, working group of Prof. Dr. Stefan Scheel, invites applications for a PhD position in Theoretical Physics. The employment contract is limited to three years within the DFG-funded project "*Dynamics of interacting Rydberg excitons in inhomogeneous structures*" as part of the Priority Programme 1929 "*Giant Interactions in Rydberg Systems*". The position is to be filled at the earliest possible date.

Research Assistant (m/f/d) (EG 13 75% TV-L pay scheme, qualification as PhD)

Tasks

- Theoretical description of Rydberg excitons in cuprous oxide
- Calculation of the dynamics of Rydberg excitons in inhomogeneous structures
- Investigation of long-lived Rydberg states in external fields
- Development of a theory of localized excitation of Rydberg excitons

Requirements

- Very good university degree (Diploma/Master) in Theoretical Physics
- Good knowledge of theoretical quantum optics and solid-state physics
- Experience in dispersion interactions is welcome
- Willingness to work seriously and enthusiastically on your own academic qualification
- Willingness to work in a team is required
- Very good English language skills

We offer:

- A multi-faceted, diverse and challenging occupation in a university that 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 relationship according to the provisions of the collective agreement for the public service of the federal states (TV-L)
- A salary according to 13 TV-L if the personal and tariff prerequisites are fulfilled

- Part-time employment
- 30 days annual vacation
- Flexible working hours
- Various offers for health promotion and for the compatibility of family and work, e.g. through our family office or our health management URgesund
- Variety of training opportunities, including language courses, IT courses, seminars for professional development
- Discounted participation in the extensive range of university sports

Further Notes:

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 for Interdisciplinary Research. The Faculty of Mathematics and Natural Sciences comprises four research institutes.

The position is a fixed-term position according to § 2 (1) WissZeitVG.

The University of Rostock is following the university management guidelines.

Equality is an integral part of our policy towards personnel. The University of Rostock is an equal-opportunities employer and welcomes applications from people with disabilities. The University of Rostock aspires to increase the ratio of women in research and teaching and explicitly encourage highly qualified women to apply for the position. Applications from persons with foreign nationalities or with migration background are also welcome.

If desired, the staff council can be involved in the application procedure. In this case, please include in your application a request for the involvement of the staff council.

We look forward to your email application with meaningful documents. Please send these documents (including CV and cover letter) with the subject “**Job Announcement P149/2020**” to bewerbungen.personal@uni-rostock.de by **22nd November 2020**. Only applications that are received in due time, under the mentioned email address and as one PDF document will be considered. The protection of your personal data is very important to us. Data collected as part of the application process is processed and used in accordance with the relevant data protection regulations.

The State Mecklenburg-Vorpommern cannot cover application and travel costs.

For further questions, please, contact us under:

Institute of Physics
Staff service

Prof. Dr. Stefan Scheel, ☎ +49(0)381 4986920
Kati Barth, ☎ +49(0)381 4981312

