



24.07.2023

PhD student (f/m/d), fixed-term, Rocket-borne density and turbulence measurements in the upper atmosphere, project: DEFINE

Job Advertisement: 2023-06

Our institute: The Leibniz Institute for Atmospheric Physics (IAP) is the Leibniz Association's research institute dedicated to the study of the mesosphere and lower thermosphere. Our research is linked to climate change and the effect of atmospheric forcing on space weather, in addition to examining unique processes in this region. Our institute works closely with the University of Rostock and contributes to its curriculum. The IAP is funded by the federal and state governments, as well as third-party contributions. It has a budget of roughly 8.5 million euros per year. Approximately 70 people are currently employed at the IAP.

Position advertised: A fixed-term employment (36 months, 66 %) for a PhD student (f/m/d) in Physics is available at IAP's Department of Optical Soundings and Sounding Rockets. The fixed-term contract is based on § 2 WissZeitVG.

What are your tasks with us:

The task of the PhD student will be to participate in development of new rocket-borne sensors, calibrate them in the laboratory, advise undergraduate students, prepare the instruments for and control them during rocket field campaigns in Northern Scandinavia, and process the data. Besides the specific topics of our Department, the students are expected to be in close interaction with colleagues and students from the other two IAP Departments, for example, via cross departmental activities.

What do you bring with you?

- A master's degree in physics, mathematics, engineering, or environmental sciences, or a related discipline, is required.
- Basic knowledge and initial experience with experimental working methods in vacuum or plasma physics.
- Fundamental programming skills and expertise, e.g., Python, C/C++.
- Good knowledge of the German language and confident knowledge of the English language in word and writing.
- Willingness to work independently
- Communication skills for presenting research results
- Ability to work in a team for interdisciplinary work groups.



What we offer you:

- An appealing workplace in close proximity to the Baltic Sea, with modern work equipment and participation in worldwide research.
- Employment relationship in accordance with the provisions of the Collective Agreement for the Public Service of the Federal States (TV-L).
- Remuneration with salary group 13 if personal and collective agreement requirements are met.
- Participation in the company pension scheme (VBL).
- Flexible working hours and mobile working are possible within the framework of the applicable regulations.

Equal opportunities: We pursue a family-friendly personnel policy, and strive to increase the proportion of women. Qualified women are therefore explicitly encouraged to apply. People with disabilities are given preference if they have the same qualifications.

Submission: We look forward to receiving your application with complete, informative documents (cover letter, resume, diploma with indication of final grade) preferably in one pdf file, to the Human Resources Department, Mrs. Kurreck (personal@iap-kborn.de), quoting the reference **2023-06**. The advertisement remains open until a suitable person has been appointed. Unfortunately, application and travel costs cannot be covered. By submitting your application, you consent to the processing of your relevant personal data for the purpose of the application procedure.

Contact: Dr. Boris Strelnikov (strelnikov@iap-kborn.de) is the contact person for further information on technical matters of the position.

