Leibniz-Institut für Astrophysik Potsdam

The Leibniz Institute for Astrophysics Potsdam (AIP) is dedicated to astrophysical questions ranging from the study of our Sun to the evolution of the cosmos. Research focuses on cosmic magnetic fields and extragalactic astrophysics as well as the development of research technologies in the fields of spectroscopy, robotic telescopes and e-science. The AIP carries out its research mission in the framework of numerous national, European, and international collaborations. The institute is located in the beautiful PotsdamBabelsberg area, at the southwestern border of the Berlin metropolitan area. The AIP continues the tradition of the Astrophysical Observatory Potsdam and the Berlin Observatory (founded 1700) and has about 200 employees.

We are looking for

a coworker (m/f/d) for the **4MOST public archive**
beginning from October 2021.

For creating the 4MOST public archive we are looking for a developer, who works closely with the 4MOST collaboration. 4MOST is a fibre-fed spectroscopic survey facility on the VISTA telescope surveying the southern sky in a few years. It will simultaneously obtain spectra of ~2400 objects with a high spectral resolution. The public archive shall maximise the scientific benefits of the data for the whole astrophysics community. The tasks require programming skills (python, web technology), knowledge of RDBMs and SQL, as well as domain knowledge in astrophysics or natural sciences. A university degree is required.The appointment will be initially for 24 months, and can start immediately after the selection process is finished.

In the Supercomputing and E-Science section we work at the interface between excellent astrophysical research and modern IT systems and software. The section currently has four major work areas: data management and collaborative research environments (CRE), provision of efficient supercomputing and cloud facilities at AIP, development and implementation of Virtual Observatory standards, and development of software for data curation and publication of astronomical data.

Tasks:

- Participation in building the public data archive of the 4MOST survey
- Developing framework (DAIQUIRI) and data publishing environment

Requirements:

- Programming skills (python, C , C++ or other modern languages)
- Knowledge about webservices
- Academic degree in natural sciences (preferred: astro), math or computer sciences
- Ideally some experience in research data management
- Team oriented working style
- Good english language skills

Offerings:

- Salary according to the German public service collective agreement, a pay grade of TV-L E13, with respect to experience and expertise, as well as the social benefits from the TV-L.
- The initial period for employment is 2 years
- The position is suitable for part-time employment.

Please submit your application via the job-portal of AIP

(https://www.aip.de/documents/228/4most-public-archive-position-in-escience/)

bewerbung_2021-08@aip.de

The selection process will start immediately and continue until the position is filled

Equal opportunity is an integral part of personnel and organizational development at the AIP, and therefore applications from all genders are encouraged. People with disabilities will be given preferential consideration if they are equally qualified and capable.

Your application documents will be kept for at least three months after completion of the appointment process. As a rule, your documents will be made available to a selection committee and to the committees and officers to be involved.

Leibniz-Gemeinschaft

TOTAL E-QUALITY