



The Leibniz Institute for Astrophysics Potsdam (AIP) is a publicly funded German research institute with a long history, including the Berlin Observatory and the Astrophysical Observatory Potsdam. The latter was the world's first observatory to emphasize explicitly the research area of astrophysics. Today, the AIP has an international reputation as a competence centre for the development of research technology in the fields of spectroscopy, robotic telescopes and E-Science. About 130 scientists work on a variety of astrophysical topics such as magnetic fields, solar and stellar physics, stellar and galactic evolution and cosmology. As a member of staff of the AIP, you will have the advantage of living very close to the Berlin metropolitan area as well as enjoying the calm, family-friendly area of Potsdam-Babelsberg for your work place and residence.

The Leibniz-Institut für Astrophysik Potsdam (AIP) invites applications for the position of

Spectrograph scientist (m/f/d)

for the development and support of the astronomical instrumentation/telescope project 4MOST. The successful candidate will interact closely with AIP project teams and scientists, collaborating institutions and suppliers. The successful candidate will work on the 4MOST project at AIP in collaboration with the large local project team and extensive external partner network.

Your Tasks

- Support the verification activities in the AIP integration hall for 4MOST spectrographs, fibre positioner AESOP, Long Fibre Feed, and Calibration System.
- Support 4MOST Verification Plan responsible with definition and execution of test procedures.
- Maintain database of test results.
- Hands-on support for integration, handling, and packing for shipment of 4MOST spectrographs and other subsystems.
- Potentially support the unpacking and re-integration of 4MOST subsystems at the Paranal observatory.
- Perform analysis of the requirements and provide alternatives/trade-offs when necessary.
- Develop MAIT/MAIV processes, procedures and safe practices.
- Assist in raising Non-Conformance Reports where applicable.
- Provide design status and analysis reports to supervisors.

Your profile must include:

- Master or PhD degree in astronomy or engineering.
- Experience with instrumentation within the field of astronomy.
- Experience with critical analysis and validation of designs and measurements.
- Proficiency with modern data reduction techniques is highly desirable.
- Ability to document designs and write reports and procedures using MS Office software.

- Excellent interpersonal and communication skills with the ability to collaborate efficiently and effectively with administrative, technical and scientific staff.
- Fluency in spoken and written English is required, German language proficiency is desirable.

Conditions

The AIP is an equal opportunity employer and strives to maintain a diverse, inclusive work environment and culture. AIP particularly encourages applications from women. Preference will also be given to people with disabilities with equal competence.

The position is offered on a fixed-term contract of 7 months. Salary and social benefits are calculated based on the German public service scale TV-L and commensurate with qualifications and experience in relation to the position. Employer contributions to medical, parental leave, and retirement benefits are included.

To apply, please send your Curriculum Vitae and copies of academic degrees, certificates, and any other supporting documents to jbrynnel@aip.de. Complete applications received by 15.10.2024 will receive full consideration.

Contact

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