



# 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 mandate within the framework of numerous national, European and international cooperations. The institute is the successor to the Berlin Observatory, founded in 1700, and the Astrophysical Observatory Potsdam, founded in 1874, which was the first institute in the world to be explicitly dedicated to astrophysics. The AIP has been a member of the Leibniz Association since 1992. AIP is located in the middle of a beautiful park landscape in Potsdam, not far from Berlin, and has about 200 employees.

To strengthen Astrophotonics (innoFSPEC), we are looking for a

**Studentische Hilfskraft-I (m/f/d)**  
**(Student Assistant) : Photonic Lanterns**  
**19 hrs/Week**

The student will have the opportunity to support the development of photonic lanterns for various applications and astronomical instruments (astrophotonic spectrographs, MARCOT, MAST, etc.). The position offers the unique opportunity to acquire specialized skills, experience in using advanced scientific equipment, knowledge in building astrophotonics instruments for astronomy and conduct on-sky tests at astronomical observatories (Calar Alto, Paranal, Mt. Wilson etc.). Support, mentorship and supervision will be offered to the student to formulate a research plan leading to a master's thesis.

**Your tasks:**

- Support the fabrication of photonic lanterns.
- Support the research activities of scientists and contribute to peer-reviewed publications, patents, and conference papers.

**What you bring to the table:**

We are looking for highly motivated students who are pursuing their Master's at an university in Germany, with interest in the abovementioned areas. Experience in programming in Python, Photonics CAD (eg. RSoft, Zemax, Quodoa, EPIPROP, etc.), handling optical fibres will help the candidate to shorten the learning curve.

**Essential:**

- Excellent interpersonal and communication skill and ability to work as a member of a team.
- Excellent proficiency in the English language. Basic German skills will be an advantage.

**This is what we offer:**

- a modern working environment; the office is spacious, very well equipped and located in the middle of the World Heritage Site,
- an open and collegial working atmosphere,

- flexible working hours,
- good opportunities for internal and external training,
- Salary and social benefits are calculated based on the German public service scale TV-L and depends on qualification/experience. The working hours can be flexible up to 19 hours per week. The hourly wage is based on the current directive of the state of Brandenburg on the working conditions of scientific and student assistants and currently amounts to
  - without degree : 13,25 €
  - with Bachelors : 13,83 €
  - with Masters : 18,78 €

The appointment could start immediately after the recruitment process is completed.  
To apply, please send the following documents (PDF) to

**bewerbung-2024-08@aip.de**

1. CV (Lebenslauf)
2. Studienbescheinigung / Immatrikulationsbescheinigung

Review of applications will begin immediately & continued until the position is filled.

Equal opportunities are an integral part of personnel and organizational development at AIP, which is why applications from men and women are equally welcome. Preference will be given to people with disabilities if they have the same professional aptitude and ability.

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

