



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

two coworkers (m/f/d) for **PUNCH4NFDI@AIP**
beginning from October 2021.

The PUNCH4NFDI consortium in the national research data infrastructure (Nationale Forschungsdateninfrastruktur, NFDI) is a consortium of more than 40 institutes devoted to research data management. The involved institutions work in one of the fields of particle physics, astroparticle physics, astronomy, and hadron & nuclear physics. They are members of the Helmholtz Association, the Leibniz Association, the Max Planck Society, or the university world. PUNCH4NFDI receives substantial funds from the DFG for initially 5 years and aims at bringing its expertise e.g. in “big data” and “open data”, in machine learning and data transformation to the next level and making it beneficial for the entire science system in Germany.

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.

Main focus of these positions will be developing and maintaining the contributions of AIP to the PUNCH4NFDI endeavor.

Tasks:

- Participation in building the science data platform and the data portal of PUNCH4NFDI
- Developing microservices for connecting workflows and resources of the PUNCH community

Requirements:

- Programming skills (python, C , C++ or other modern languages)
- Knowledge about webservice
- Academic degree in PUNCH sciences, 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 NFDI project has started in October 2021 and will run until September 2026.

- The position is suitable for part-time employment.

Please submit your application via the job-portal of AIP (<https://www.aip.de/documents/229/punch4nfdi-aip-team-positions/>)

bewerbung_2021-08@aip.de

The selection process will start immediately and continue until the positions are 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.

