



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. It is located in the beautiful Potsdam/Babelsberg area, at the South-western 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.

The Leibniz-Institute for Astrophysics Potsdam (AIP), X-ray astronomy group, invites applications for a

Postdoctoral researcher (m/f/d) in X-ray astronomy

The postdoctoral researcher will work in the framework of a DLR-funded project *Accreting compact white-dwarf binaries (CWDBs)*. The project aims to exploit observations from the ESA observatory XMM-Newton that are either already performed or will be scheduled in the near future.

The postdoctoral researcher will be responsible for the processing, scientific analysis, and publication of X-ray data (timing and spectroscopic analysis) and contemporaneous optical or UV data (spectroscopy and photometry). The activities of the researcher are embedded in a group that actively participates in the eROSITA mission and the XMM-Newton Survey Science Centre. The group is involved in follow-up programs of eROSITA sources with SDSS-V and 4MOST. The successful applicant will become member of the German eROSITA collaboration.

Applicants need to hold a PhD in astrophysics, physics, or a related field at the beginning of the appointment. Programming experience, preferably in Python, is necessary. Prior experience in the field of compact accreting binaries will be of advantage. Experience with the processing of X-ray data and standard analysis techniques are important. Good English skills (written and spoken) are essential.

The salary is based on professional experience and expertise following the German public service collective agreement (TV-L) with a pay grade of E13. Social benefits included in TV-L are the company pension VBL and disability and survivors' benefits as well as a subsidy for the public transport ticket. The appointment will be for 2 years. AIP offers flexible working hours, good opportunities for internal and external training, and an open-minded and cooperative working atmosphere in a modern working environment, very well equipped and located in the middle of a World Heritage Site.

To apply, please register at the AIP recruitment portal

jobs.aip.de/rec020

and follow the instructions to upload the following documents, all in PDF format: A cover letter (one page maximum) motivating your application, a Curriculum Vitae, your PhD degree certificate (if already available, otherwise specify the expected completion date), a list of publications and talks, and a research summary describing your experience, skills, and project-related work so far (no more than two pages, including any figures). In the cover letter, a link to a PDF of your PhD thesis would be appreciated (if applicable). The cover letter should also provide contact information for two individuals willing to provide reference letters upon request. Note that we will request such letters only for a subset of applicants after an initial selection step.

Applications received until 2024 May 31 will receive full consideration. Equal opportunities are an integral part of the personnel and organisational development at the AIP, and we therefore strongly encourage female scientists to apply. People with disabilities will be given preferential consideration if they are equally qualified and skilled. Application documents will be kept for at least three months after completion of the appointment process. The documents will be made available to a selection committee and to other committees and officers to be involved.

Contact for further information:

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