



Leibniz-Institut für Astrophysik Potsdam

The Leibniz-Institute for Astrophysics Potsdam (AIP) invites applications for a

Doctoral Student (m/f/d)

to participate in the DFG-funded research unit *The eROSITA view of Stellar Endpoints* hosted by the X-ray astronomy group of the AIP.

Position and requirements

The doctoral student will work on research projects to investigate new compact white-dwarf binaries found with eROSITA and followed by dedicated observational campaigns and comprehensive spectroscopic surveys with the SDSS and 4MOST. The student will become part of the eROSITA and the SDSS-V collaborations and will be integrated within the graduate studies program at the University of Potsdam.

Applicants should hold a Master degree or equivalent in physics, astrophysics, or astronomy at the time of starting the position. A background in galactic astrophysics or in binary research would be an advantage. Experience in programming is desirable. Good English skills (written and spoken) are essential.

The salary will be based on the German public service collective agreement at the pay grade TV-L E13. Funding for work-related travel is available. Employer contributions to medical and mental insurance, parental leave, and retirement benefits are included. The nominal starting date is April 2023, but individual arrangements will be possible.

Application

To apply, please submit the following documents, concatenated into a single PDF document: a cover letter motivating your application (1 page), a Curriculum Vitae including a list of publications (if any), your Master degree certificate (if already available, otherwise specify the expected completion date), and a research summary describing your experience, skills, and project-related work so far (no more than 2 pages, including any figures) via e-Mail to bewerbung-2022-22@aip.de.

A link to a PDF of your Master thesis would be appreciated (if available). Please also provide contact information for up to two individuals willing to provide reference letters upon request. Note that such letters will be requested only for a subset of applicants after an initial selection step.

Applications received until January 31, 2023 will receive full consideration. The AIP is an equal opportunities employer, who values diversity and particularly encourages women and other underrepresented groups to apply. People with disabilities will be given preferential consideration if they are equally qualified and skilled. Application documents will be kept 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 (works council, equal opportunity).

The host institution

The Leibniz Institute for Astrophysics Potsdam (AIP) has over 200 employees and is dedicated to astrophysical questions ranging from the exploration of our Sun to the evolution of the Universe as a whole. Key aspects are cosmic magnetic fields and extragalactic astrophysics, supported by the development of research technology in the fields of spectroscopy, robotic telescopes, and e-science. 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). Potsdam is also the home of the Albert-Einstein Institute for Gravitational Physics, the Physics and Astronomy Department at the University of Potsdam, and several other research institutions.

Contact

Please feel free to direct any informal questions about the advertised position directly to Dr. Axel Schwöpe <aschwöpe@aip.de> who is in charge of the project and oversees the application process. For sending your final application, please use the dedicated e-Mail address bewerbung-2022-22@aip.de.

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