



Leibniz-Institut für Astrophysik Potsdam

The Leibniz Institute for Astrophysics Potsdam (AIP) continues the tradition of the Astrophysical Observatory Potsdam and the Berlin Observatory. It is located in the beautiful Potsdam/Babelsberg area, at the South-western border of the Berlin metropolitan area. About 130 scientists work on a variety of astrophysical topics covering the full range from solar physics to cosmology. Potsdam is also the home of the Albert-Einstein Institute for Gravitational Physics, the Physics & Astronomy Department of Potsdam University and several other research institutions.

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

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

The successful candidate is expected to reduce, analyze, and publish X-ray and UV data from a recently accepted XMM-Newton large program led by Dr. Mirko Krumpe.

The successfully launched X-ray telescope eROSITA will perform multiple all-sky X-ray surveys. Monitoring roughly half a million AGN/quasars, eROSITA will identify rare, accretion ignition/depletion events as they occur. A ToO XMM-Newton program will follow up these events as they are happening. The EPIC X-ray data and Optical Monitor UV data will allow us to explore how the X-ray corona and accretion disk respond to a sudden major change in accretion rate. Therefore, we encourage applications from scientists (holding a PhD degree in astrophysics or a related field) with experience in reducing X-ray data (in particular XMM-Newton) and analyzing such data with tools like XSPEC. The following additional skills will be advantageous for the position: experience in optical imaging and spectroscopy and its data reduction, scientific coding (in particular python), advanced English language skills, and knowledge in the area of changing-look AGN. Candidates should have demonstrated that they can work independently and publish new data in a short turn-around time.

We aim to fill this position by October 2020. The initial appointment will be made for 3 years. The salary is based on the German public service scale (TV-L E13) and the applicant's previous experience. The position includes becoming a member of the German eROSITA team. Employer contributions to medical and dental insurance, parental leave and retirement benefits are included.

To apply, please send a single PDF file containing a cover letter, a statement of research interests and experience (max 2 pages), a curriculum vitae including a publication list, PhD degree certificate and a link to your PhD work/papers to:

bewerbung_2020-11@aip.de

Applicants should also provide the contact information for 3 reference letter writers. Applications received by July 10, 2020 will be given full consideration. Later applications might be considered until the position is filled.

The AIP is an equal opportunity employer who values diversity and particularly encourages women and other underrepresented groups to apply. Inquiries about the position should be sent to Dr. Mirko Krumpe (mkrumpe@aip.de)

Your application documents will be kept for at least three months after completion of the recruitment process, even if your application is unsuccessful. As a rule, your documents will be made available to a selection committee as well as to the committees and officials to be involved.

