



Leibniz-Institut für
Astrophysik Potsdam

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

postdoctoral position in the area of stellar coronal emission (m/f/d).

The offered project in the research group of Prof. Poppenhäger shall investigate characteristics of the coronal emission of sun-like stars of mature main-sequence ages. X-ray observations will be used to determine the activity level and coronal temperatures of stars with abnormal rotational states and draw inferences about their magnetic braking and their influence on potential exoplanets.

The applicant shall hold a PhD degree in astrophysics at the time of starting the position. The applicant is expected to have an active research background in stellar magnetic activity with applications to exoplanets, backed up by relevant publications; scientific experience with quantifying deviations from canonical stellar spin-down laws is beneficial. The applicant is expected to have experience in working with data from XMM-Newton and Chandra. Experience in working in the low-photon-count regime is expected, in particular regarding the estimation of coronal temperatures, as well as experience in scientific coding with Python.

We aim to fill this position by December 2023. The salary will be based on the German public service scale (TV-L E13), and the duration of the position is three years. Benefits include employer contributions to medical and dental insurance, parental leave, and retirement benefits.

Applications for the position should be emailed in a single pdf document to the email address given below; the document should contain a cover letter, a curriculum vitae, and a statement of previous research experience, the latter not exceeding 2 pages. Applicants should also provide the contact information for 2 reference letter writers in the document. Applications received by July 15, 2023 will receive full consideration.

The AIP is an equal opportunity employer who values diversity and particularly encourages women and other underrepresented groups to apply. Preference will be given to people with disabilities with equal competence.

Contact:

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