



The **Leibniz Institute for Astrophysics Potsdam (AIP)** is a publicly funded German research institute with a long history, including the Berlin Observatory and the Astrophysical Observatory Potsdam. The latter was the world's first observatory to emphasize explicitly the research area of astrophysics. Today, the AIP has an international reputation as a competence centre for the development of research technology in the fields of spectroscopy, robotic telescopes and E-Science. About 130 scientists work on a variety of astrophysical topics such as magnetic fields, solar and stellar physics, stellar and galactic evolution and cosmology. As a member of staff of the AIP, you will have the advantage of living very close to the Berlin metropolitan area as well as enjoying the calm, family-friendly area of Potsdam-Babelsberg for your work place and residence.

The Leibniz-Institut für Astrophysik (AIP) invites applications for a

PhD studentship on studying stellar flares in star-exoplanet systems and young stars

to be filled at the earliest possible date.

The student will work under the guidance and supervision of Prof. Katja Poppenhaeger, and will be supported by a wider group of researchers and postdocs in the Star-Planet Systems research group. The student will work on the detection and analysis of stellar flares using long-duration light curves. Aims of the study will be to determine if and how flare distributions correlate with stellar age, and if stellar flaring behavior is influenced by exoplanets in close orbits. The successful applicant preferably has research experience in working with light curves from Kepler and/or K2, detecting flares algorithmically, and has a solid background in using Python for scientific analysis.

The position has a maximum duration of 4 years at a salary of 50% TV-L E13 level. The position includes employer contributions to medical insurance, parental leave, and retirement benefits. The AIP is an equal opportunity employer and particularly encourages applications from women and other underrepresented groups. Email enquiries may be addressed to kpoppenhaeger@aip.de.

To apply, please send one pdf file containing your curriculum vitae including a list of publications, a short description of your research interests and previous research experience, and the contact information for three references who may be contacted later in the application process, to the following email address, using the subject "PhD position (flares) with Poppenhaeger":

bewerbung_2018-26@aip.de

Applications received before October, 1st, 2018 will receive full consideration, but later ones may be considered until the position is filled.