

The Institute of Astronomy and Astrophysics of the Kepler Center for Astro and Particle Physics at the University of Tübingen, Germany, invites application for an

Experimental Astrophysicist / PostDoc (m/f/d)

The position is expected to be filled from the 1st of March 2024. The appointment will be for a duration of **4 years**. Remuneration is in accordance with pay grade E13 of the German public-sector collective agreement TV-L.

The successful candidate is an **experimental astrophysicist** with a doctoral degree (or equivalent) in Astrophysics/Physics and with a background in experimental work.

In addition, knowledge in the field of digital electronics development, experience in working either with FPGAs, embedded systems or microcontrollers as well as several years of experience in scientific programming (Python, C++) are required.

The job holder's tasks include various aspects of **hardware and software development** within the **i-RASE project** (development of AI-based methods for readout and data pre-processing on board of satellite observatories), which is carried out by the Institute's High Energy Astrophysics department. As part of the project, an active responsible participation in the development team of the working group is expected, in particular the documentation of the results achieved and their presentation at international project meetings.

The High Energy Astrophysics Group of IAAT has a wide range of interests, including experimental developments in X-ray and TeV Astronomy. Main projects include eROSITA, NewATHENA, H.E.S.S., CTA, eXTP, THESEUS, and HERMES. We are conducting data analysis and modelling of multi-wavelength observations of galactic compact sources, supernova remnants, and for indirect dark matter search.

The University of Tübingen is committed to equal opportunity and diversity. We invite qualified women to apply. The University of Tübingen welcomes applications from outside Germany. Applications from equally qualified candidates with disabilities will be given preference.

Applications, including a cover letter, full *curriculum vitae*, list of publications and the names and email addresses of at least two references should be sent not later than the 4th of February 2024, via e-mail, to the director of the Institute: Prof. Andrea Santangelo, andrea.santangelo@uni-tuebingen.de, copy to Dr. Chris Tenzer, tenzer@astro.uni-tuebingen.de

The responsibility for the employment lies with the administration of the University of Tübingen. For further information: Dr. Chris Tenzer, +49 7071 29-75473, tenzer@astro.uni-tuebingen.de