EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN

Mathematisch-Naturwissenschaftliche Fakultät

Three PostDoc positions (m/f/d, E13 TV-L, 100%)

In the context of the Phase A studies of **THESEUS,** one of the candidates for ESA's M7 mission, **the Institute of Astronomy and Astrophysics** (IAAT) of the Kepler Center for Astro and Particle Physics at the University of Tuebingen, Germany, invites applications for the following posts:

1. **Experimental Astrophysicist (m/f/d, 100% E13 TV-L)** for the technological developments, tests, and calibration of the Micropore Optics (MPOs) of the SXI instrument (Ref. Nr. IAAT1_MPOs). Remuneration is in accordance with pay grade E13 (100%) 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, or with a very good master's degree in engineering.
2. **Experimental Astrophysicist (m/f/d, 100% E13 TV-L)** for the technological developments of the camera electronics of the XGIS instrument (Ref. Nr. IAAT2_XGIS). Remuneration is in accordance with pay grade E13 (100%) 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, or with a very good master's degree in engineering.
3. **Experimental Astrophysicist (m/f/d, 100% E13 TV-L)** for the technological developments of the Instrument data handling units (I-DHUs) of the SXI, XGIS and IRT instruments (Ref. Nr. IAAT3_IDHU). Remuneration is in accordance with pay grade E13 (100%) 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, or with a very good master's degree in engineering.

All positions are expected to start on the 1st of May 2024. The initial appointment will be for **2 years and five months, that can be extended provided the selection of THESEUS to the next phase.**

Experience in developments of digital electronics and/or mechanical elements, including performing structural and thermal analysis, for astrophysical space missions or ground-based observatories is an element of preference.

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 *curriculum vitae*, motivation letter, list of publications, and the names and email addresses of two references, should be sent, as soon as possible and **not later than the 29th of February 2024**, via e-mail, to the director of the Institute: Prof. Andrea Santangelo, andrea.santangelo@uni-tuebingen.de. Please explicitly indicate the position(s) you intend to apply to.

The responsibility for the employment lies with the administration of the University of Tübingen. For further information: Prof. Andrea Santangelo, +49 7071 2976128, andrea.santangelo@uni-tuebingen.de