



Tübingen, December 1st, 2018

The **High-Energy Astrophysics group** of the **Institute for Astronomy and Astrophysics (IAAT)** at the **Eberhard Karls Universität Tübingen** is seeking to fill the following position:

1 PhD position (duration: 3 years; starting date: Feb. 1st, 2019)

in the context of the **THESEUS** mission related developments at the IAAT.

THESEUS is a mission concept for a transient source detection and follow-up instrument, operating in the UV- to Gamma-band, proposed in response to the ESA call for medium-size missions (M5) within the Cosmic Vision Programme and selected by ESA on 2018 May 7 to enter an assessment phase study.

The successful candidate is expected to develop and test scientific software routines for the on-board computer prototype of the THESEUS mission and electronic ground support equipment. Additional tasks will include performance simulations, interface testing and data processing from detector prototypes and -simulators. Results of the developments will also be adapted to the data handling of the upcoming Chinese-European eXTP mission.

Applicants are required to have a diploma, master or equivalent university degree in physics, software engineering or electronics.

The position is available **starting February 1st, 2019, a later starting date can be negotiated**. The salary is based upon the German federal public service scale (50 % of E13 TV-L). The University seeks to raise the number of women in research and teaching and therefore urges qualified women to apply. Disabled persons will be preferred in case of equal qualification.

Details about the scientific activities of the High Energies Astrophysics working group can be found at our webpage: <http://www.uni-tuebingen.de/en/90013>

Please send your application together with a CV, copies of diploma, M.A., or related certificates, and the names and email addresses of two references preferably electronically to Prof. Andrea Santangelo (santangelo@astro.uni-tuebingen.de) and Dr. Chris Tenzer (tenzer@astro.uni-tuebingen.de), Sand 1, 72076 Tübingen, **before December 31st, 2018**.

The process of hiring the selected candidate is handled by the Central Administration of the University.