



Tübingen, July 25, 2014

Positions for Doctoral Studies in High-Energy Astrophysics

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

2 PHD positions

- 1) **Experimental developments for the CTA observatory (Ref. HEA_PHD1)**
- 2) **Experimental developments and observational analysis in X-ray astrophysics (Ref. HEA_PHD2)**

The successful candidate for Ref. HEA_PHD1 will work in the CTA team of IAAT, contributing to research for the digital electronics and the test-setup of the FlashCam camera, currently developed for the Medium Size Telescopes of CTA. Depending on the thesis program, she/he could be also involved in the data analysis and interpretation of Galactic TeV sources.

The successful candidate for Ref. HEA_PHD2 will work in the X-ray astrophysics team of IAAT, contributing to experimental developments of space-based X-ray instrumentation and to the observation, survey and interpretations of galactic compact objects, mainly hosting neutron stars.

The positions are available from September 1st, 2014. A later starting date can be negotiated. In general, appointments for PhD studies are for a period of three years. Salaries and benefits are granted according to the TVL E13/2 (PhD) level of the German public salary scale.

We seek **highly motivated candidates for PhD studies** with a Diploma/Master or an equivalent degree in Physics or Astronomy. Applicants expecting to complete their degree in late 2014 are also encouraged to apply.

Equal opportunities are an integral part of our personnel policy, we therefore particularly encourage qualified women to apply. Disabled persons with otherwise equal qualifications are given priority.

The activities of the High-Energy Astrophysics group of IAAT include experimental developments for high-energy space based Astrophysics (eRosita, Athena, LOFT), TeV Astrophysics (H.E.S.S. and CTA) and space based UHE Cosmic Ray search (EUSO). Data analysis and modelling in X-ray and Gamma-ray Astronomy are also strong activities of the group.

Further information can be found at <http://www.uni-tuebingen.de/index.php?id=3130>.

Please send your application including a cover letter, a CV, and the name of the Master/Diploma supervisor, preferably electronically to:

Prof. Andrea Santangelo (andrea.santangelo@uni-tuebingen.de)
Institut für Astronomie und Astrophysik, Eberhard Karls Universität Tübingen
Sand 1, D-72076 Tübingen, Germany

Deadline is August 31, 2014, but applications will be accepted until the position is filled.

Inquiries about the positions can also be sent to:

Dr. Gerd Pühlhofer (Gerd.Puehlhofer@astro.uni-tuebingen.de)
Dr. Dmitry Klochkov (klochkov@astro.uni-tuebingen.de)