



Tübingen, August 3, 2011

## Doctoral and Postdoc positions in X-ray and TeV $\gamma$ -ray Astronomy

The High-Energy Astrophysics group of the Institute for Astronomy and Astrophysics Tübingen (IAAT) at the Eberhard Karls University Tübingen has openings for research projects on the following topics:

- 1) Digital electronics developments for space-based instrumentation (Postdoc). Background studies of X-ray instrumentation (PhD).
- 2) Investigations of high-energy particle acceleration in galactic supernova remnants using TeV  $\gamma$ -ray observations (PhD).
- 3) Study of the X-ray source population (mainly X-ray binaries) in nearby galaxies based on XMM-Newton and Chandra data. Comparative studies also include archival data of other space telescopes like the HST, GALEX, and Spitzer (PhD).

The positions are available starting October 1, 2011. A later starting date is possible. The appointments will be for an initial period of two years with a possible extension to three years. Salaries and benefits are granted according to the E13/2 (PhD) and E13 (Postdoc) 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 finish their degree in late 2011 are encouraged to apply.

Qualified scientists with a doctoral degree in physics, engineering, or astronomy and with experience in development of digital electronics are very welcome to apply for the Postdoc position(s). Candidates (engineers or physicists) with a Diploma or a Master degree and with a long experience in the field of digital electronics will be considered, too.

The activities of the High-Energy Astrophysics group of IAAT include data analysis and modeling in X-ray and Gamma-ray Astronomy as well as hardware development. Further information can be found at <http://www.uni-tuebingen.de/index.php?id=3130>.

Please send your application including a cover letter (indicating the preferred starting date), together with a CV, copies of diploma, B.A., M.A., or related certificates, and the name and email address of the supervisor (for PhD) or two references (Postdoc) preferably electronically to:

Prof. Andrea Santangelo ([andrea.santangelo@uni-tuebingen.de](mailto:andrea.santangelo@uni-tuebingen.de))  
Institut für Astronomie und Astrophysik, Eberhard Karls Universität Tübingen  
Sand 1, D-72076 Tübingen, Germany  
Tel: +49 7071 29 76126

The deadline is September 15, 2011, but applications will be accepted until the positions are filled. Inquiries about the positions can also be sent to:

Dr. Manami Sasaki ([sasaki@astro.uni-tuebingen.de](mailto:sasaki@astro.uni-tuebingen.de))  
Dr. Gerd Pühhöfer ([Gerd.Puehlhofer@astro.uni-tuebingen.de](mailto:Gerd.Puehlhofer@astro.uni-tuebingen.de))