



The High-Energy Astrophysics group of the Institute for Astronomy and Astrophysics at the University of Tübingen (IAAT) invites applications for a

## **PhD position (3 years, starting date 1.5.2019)**

in the context of indirect dark matter search program performed at the University of Tübingen.

Within the program, we analyze all-sky searches for a signal from astrophysical decaying / annihilating dark matter in the X-ray and gamma-ray bands. The project is focused on searches of two main dark-matter candidate particles, namely sterile neutrino and massive WIMPs, and includes both, theoretical and data analysis aspects.

The successful candidate is expected to participate in the development of the model of expected emission from decaying/annihilating dark matter. The project also includes the analysis of the data of modern X-ray and gamma-ray satellites (including XMM-Newton and Fermi/LAT) and the interpretation of obtained results.

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

The position is available starting May, 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 process of hiring the selected candidate is handled by the Central Administration of the University.

The University seeks to raise the number of women in research and teaching and therefore urges qualified women to apply. Severely handicapped persons will be preferentially considered in case of equivalent qualifications.

**Please send your application before February, 20<sup>th</sup>, 2019** 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 (andrea.santangelo@uni-tuebingen.de ) and

Dr. Denys Malyshev (denys.malyshev@astro.uni-tuebingen.de )

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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>.