

The Faculty of Science of the University of Tübingen invites applications for a

W3-Professorship for Computational Astrophysics
at the Department of Physics at the Institute for Astronomy und Astrophysics

The position is expected to be filled as soon as possible.

The professorship is framed within the research and teaching activities of the Institute for Astronomy and Astrophysics at the University of Tübingen, and the Kepler Center for Astro and Particle Physics. In particular, the position is part of a near-term development strategy to strengthen research on the 'relativistic universe'. The latter is a broad topic ranging from gravitational waves and gravity, to compact object physics, to relativistic particle production in extreme astrophysical environments, to studies of relativistic cosmology.

The successful candidate is expected to build a vibrant and diverse research group in Computational Astrophysics, including using innovative Machine Learning techniques.

The candidate is also expected to develop interdisciplinary cooperation with the existing working groups of the Kepler Center and the Physics Department. Current research at the Kepler Center includes general relativity and gravitational wave sources, compact objects, multi-wavelength astronomy and stellar physics, experimental high-energy astrophysics, UV astronomy detector development, experimental astroparticle physics, dark matter, theoretical hadron and particle physics, neutrino physics and astronomy.

An outstanding, internationally visible research profile and substantial acquisition of competitive external funding are expected. Participation in large international research collaborations and a robust professional network are viewed favorably.

In teaching, the areas physics, astrophysics, and computational physics are to be covered in the bachelor's and master's degree program of physics, in the international master's degree program of astro and particle physics, and in the study programs for advanced teacher education. Participation in the academic self-administration of the university and in the committees of the Physics Department and the Faculty of Science is required.

Required qualifications include a PhD or equivalent international degree and postdoctoral qualifications equivalent to the requirements for tenure. This includes evidence of teaching effectiveness.

The University of Tübingen is committed to equal opportunity and diversity. To raise the number of women in research and teaching, we expressly urge qualified women to apply. In line with its internationalization agenda, the university welcomes applications from researchers outside Germany.

Applications from equally qualified candidates with disabilities will be given preference.

The German-language advertisement is the sole legally binding advertisement of this position.

Please submit your application via the application portal of the University of Tübingen at <https://berufungen.uni-tuebingen.de> by June 9, 2023. Enquiries may be directed to the Dean of the Faculty of Science, Prof. Dr. Thilo Stehle, University of Tübingen, Germany (career@mnf.uni-tuebingen.de).

General information on professorships, hiring processes, and the German academic system can be found here: <https://uni-tuebingen.de/en/213700>