

Assistant Professor in Theoretical Cosmology (0.8 - 1.0 FTE)

Job description

The Institute for Theoretical Physics (ITP) is seeking highly motivated candidates for appointment to a tenure-track position: Assistant Professor in Theoretical Cosmology (0.8 - 1.0 FTE). Starting date of the appointment is envisaged to be September 2019 or earlier.

The candidate is expected to work on contemporary problems of Theoretical Cosmology, such as cosmological inflation, large scale structure, dark energy, dark matter and gravitational waves. A special attention will be given to candidates with a track record on questions related to connecting fundamental theory to cosmological, astronomical and/or particle physics data. We are looking for enthusiastic candidates who will not only invigorate and enrich the pool of expertise of the Institute for Theoretical Physics, but are also eager to further develop their independent research line.

This tenure-track position is funded partly through the Delta-Institute for Theoretical Physics (D-ITP), an initiative joining Theoretical Physicists from the Universities of Amsterdam, Leiden and Utrecht. The primary aim of the D-ITP is to deepen collaborations between the associated researchers, and the candidate is expected to actively contribute to promoting this aim.

The successful candidate is also expected to teach and participate in funds acquisition. Teaching at Utrecht University involves contributing to the curriculum of the Department of Physics at the Bachelor's and Master's levels.

Qualifications

The ideal candidate:

- holds a PhD in Physics;
- has a proven track in the field of Theoretical Cosmology or in a related field;
- is expected to develop an independent research group largely based on external funding, and is able to initiate and foster local, national, and international collaborations;
- is committed to high-quality teaching at the BSc, MSc and PhD levels.
- For this, the candidate is expected to meet the requirements for the basic teaching qualification (BKO) within two years after the start of the appointment.

Publication track record, teaching record, and acquired research funds will be weighed against the number of years of academic experience, also taking into account parental leave. In view of the gender balance we strongly encourage women to apply.

Offer

The candidate is offered a tenure-track position, which will be subject to a mid-term evaluation after approximately 2,5 years and a final evaluation after five years. If the evaluations are positive the position becomes permanent. The criteria to be met and the details of the track will be mutually agreed upon before the appointment starts but will include success in research and education.

The gross salary - depending on previous qualifications and experience - ranges between €3,173 and €5,513 (scale 10-12 according to the Collective Labour Agreement Dutch Universities) gross per month for a full-time employment. Salaries are supplemented with a holiday bonus of 8 % and a year-end bonus of 8.3 % per year. We offer a pension scheme, (partly paid) parental leave, collective insurance schemes and flexible employment conditions (multiple choice model). More information is available at: [working at Utrecht University](#).

About the organization

A better future for everyone. This ambition motivates our scientists in executing their leading research and inspiring teaching. At [Utrecht University](#), the various disciplines collaborate intensively towards major societal themes. Our focus is on Dynamics of Youth, Institutions for Open Societies, Life Sciences and Sustainability.

The University is located in the city of Utrecht, which is one of the oldest cities in the Netherlands with a charming old center and an internationally oriented culture that is strongly influenced by its century-old university. Utrecht has been consistently ranked as one of the most livable cities in the Netherlands.

The [Faculty of Science](#) consists of six Departments: Biology, Pharmaceutical Sciences, Information and Computing Sciences, Physics, Chemistry and Mathematics. The Faculty is home to 5,600 students and nearly 1,500 staff and is internationally renowned for the quality of its research. [The Institute for Theoretical Physics](#) belongs to the Department of Physics, which is part of the Faculty of Science of Utrecht University. The Department of Physics has a long history of excellence in physics research and education. The Department consists of about forty tenured faculty divided thematically into four Institutes: the Institute for Theoretical Physics, Debye Institute for Nanomaterials, the Institute for Subatomic Physics and the Institute for Marine and

Atmospheric Research. The research interests of our Faculty include String Theory, Cosmology, Hard- and Soft- Condensed Matter Physics, High-Energy Physics, Nanophotonics and Climate Physics. More than one hundred Undergraduate students and about seventy Graduate students start each year in the broad Bachelor's programme and the three Master's programmes Theoretical Physics, Experimental Physics, and Climate Physics.

Two research programmes form the main source of activity within the Institute for Theoretical Physics: theoretical high-energy physics and condensed-matter theory. Within the high-energy physics programme, the focus lies on String Theory, Quantum Field Theory, Theoretical Cosmology and Elementary Particle Theory. The Institute runs an internationally acclaimed Master's programme in Theoretical Physics and it is broadly involved in undergraduate teaching.

Additional information

Additional information can be obtained from [our website](#) and from Dr. Tomislav Prokopec, chair of the Search Committee, via e-mail t.prokopec@uu.nl.

Apply

For initial selection, we ask applicants to electronically submit a complete cv (including research and teaching experience and three names of potential referees) as well as short statements of research and teaching interests. In the final part of the selection procedure, the candidate is expected to give an outline of his/her research plans and vision on teaching in a written report and an oral presentation.

Interested candidates should apply via the application system of Utrecht University by clicking the application button below.

The application deadline is

15/11/2018

[Apply](#)