

Announcement: Tenure-Track Position in Theoretical Quantum Physics 1

The Department of Theoretical Physics at the Faculty of Mathematics, Computer Science and Physics at the University Innsbruck seeks to fill a

Tenure-Track Position in Theoretical Quantum Physics 1

Responsibilities

This tenure-track position is to conduct independent research and teaching in Theoretical Physics.

The main area of research should be in theoretical quantum physics, with particular focus on quantum optics, quantum information or machine learning in quantum physics. Excellent qualified candidates with research focus in condensed matter will also be considered.

Future collaboration is desired with various research groups in the Innsbruck Physics Research Center. We also expect cooperation with partners at other top national and international research institutions and participation in collaborative projects (e.g., with the Institute of Quantum Optics and Quantum Information (IQOQI), QuantA Cluster of Excellence, Special Research Areas).

The scope of the professor's teaching includes the field of theoretical physics. This comprises instruction in bachelor's, master's, and PhD courses in the physics and physics teacher degree programs as well as the supervision of students including (co-) supervision of theses.

The candidate is expected to participate in the strategic development of the Faculty of Mathematics, Computer Science and Physics as well as in the academic self-administration and management of the institute, physics department and faculty to an appropriate extent.

Employment requirements include

- a) doctoral degree in physics (or a related discipline) with an emphasis on theoretical physics;
- b) post-doc experience and/or professional experience;
- c) scientific achievements beyond the PhD, documented by publications in leading international peer-reviewed journals and by presentations at international conferences/workshops;
- d) international research involvement, international contacts and mobility experience during or after the PhD;
- e) involvement in research projects and acquisition of competitive grants;
- f) strong teaching skills and experience with (co-) supervising students;
- g) communication skills for teamwork;
- h) organizational and management qualities;

- i) fluency in English is required; knowledge of the German language is not strictly required for this position, but the successful applicant will convincingly demonstrate their willingness to become proficient in the language at the level of teaching in the BSc program.

Description of the position

At the University of Innsbruck, a tenure-track position enables a career track up to tenured full professor.

The successful applicant will enter a six-years' work contract on the basis of the 'Angestelltengesetz' (Employees Act; extent of employment: 100%) and at the same time will enter into a 'Qualification Agreement' according to § 27 of the 'Kollektivvertrag' (Austrian Collective Labor Agreement for university personnel); the applicant will start her/his occupation at the rank of Assistant Professor.

Once the targets of the 'Qualification Agreement' are reached, the position will be tenured, thus promoting the holder of the position to Associate Professor.

Subsequently, a full professor position according to § 99 (4) of the 'Universitätsgesetz' (Austrian University Act) will be opened, for which the Associate Professor is eligible to apply.

Your application must have arrived by

19.03.2025

at Universität Innsbruck, Fakultäten Servicestelle, Standort Technikerstraße 17, A-6020 Innsbruck (fss-technik@uibk.ac.at).

The University of Innsbruck seeks to increase the proportion of female scientists in the faculty, so applications from qualified female scientists are especially encouraged. If multiple candidates are equally qualified, female applicants will be given priority.

In line with the 'Kollektivvertrag' (Austrian Collective Labor Agreement for university personnel) scientists who have entered a 'Qualification Agreement' are in remuneration group A2 with an initial wage of € 5 808,20 / month (14 installments). After fulfillment of the Agreement, the salary rises to € 6 285,80 / month (14 installments). Moreover, the university offers attractive additional benefits (see <http://www.uibk.ac.at/universitaet/zusatzleistungen>).

Application materials will include

- Cover letter
- Full CV including scientific and professional career, list of scientific publications, list of talks as well as other scientific activities and projects
- Description of completed, ongoing and planned research projects on at most 5 pages, including three most important activities
- Teaching concept

The application must be submitted in digital form (e-mail with pdf attachment).

Parallel to this announcement, we are advertising another tenure-track position in the field of theoretical quantum physics. The applicant is asked to indicate that the application should also be considered in the second call.

The full, authoritative text in German (published in the official bulletin of the University of **05.02.2025**) and up-to-date information on the state of the opening can be found at

<https://www.uibk.ac.at/de/fakultaeten-servicestelle/standorte/technikerstrasse/berufung/>

Univ.-Prof.ⁱⁿ Dr.ⁱⁿ Veronika Sexl
Rector