RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITÄT BONN

At the Faculty of Mathematics and Natural Sciences of the University of Bonn, the Argelander Institute for Astronomy (AIfA) within the Physics and Astronomy Department offers a

W2 TENURE-TRACK PROFESSORSHIP IN ASTRONOMY/ASTROPHYSICS

It is expected that the successful candidate
- has completed a first degree and a doctorate in astronomy, physics, or a related field;
- has outstanding research potential in observational or theoretical astrophysics that complements the current research profile of AIfA and strengthens it in particular in any of the areas of radio astronomy, star formation, cosmology, or galaxy evolution;
- develops an independent and internationally recognized research program and successfully acquires third-party funded projects, and participates in larger overarching third-party funded projects of AIfA;
- teaches in the bachelor's/master's programs of the Physics and Astronomy Department; the languages of instruction are English (master's) and German (bachelor's); no knowledge of German is required at the time of hire;
- is actively involved in academic self-governance.

The tenure-track appointment is for a period of five years, with an interim evaluation after two years. Subsequently, the appointment can be made permanent at W2-level following a positive final evaluation by the University's governing bodies.

If applicants have completed their doctorate at the University of Bonn, they should have changed universities after completing their doctorate or have worked academically outside the University of Bonn for at least two years. The hiring requirements are based on § 36 HG NRW. The central tenure track regulations of the University of Bonn as well as further information on the tenure track at the University of Bonn can be found at https://www.uni-bonn.de/en-tenure-track.

The University of Bonn is committed to diversity and equal opportunities. The University of Bonn is certified as a family-friendly university and has a Dual Career Service. Its aim is to increase the proportion of women in areas where women are underrepresented and to particularly promote their careers. It therefore strongly encourages applications from qualified women. Applications are handled in accordance with the State Equal Opportunities Act. Applications from suitable persons with proven severe disabilities and persons of equal status are particularly welcome.

Applications are requested by March 15, 2023, through the application web portal of the University of Bonn (https://berufungsportal.uni-bonn.de). Any questions should be directed to the office of the Physics and Astronomy Department (fachgruppe@physik-astro.uni-bonn.de).

Stand: 7.11.2022
SPECIFIC CRITERIA FOR THE W2 PROFESSORSHIP (TENURE-TRACK) IN ASTRONOMY/ASTROPHYSICS IN ADDITION TO THE GENERAL CONDITIONS ALREADY ESTABLISHED IN THE TENURE-TRACK REGULATIONS:

The evaluation is conducted in accordance with the TenureTrack Regulations (TTO) of the University of Bonn and is carried out in four different categories: research performance, academic teaching, personnel management skills, academic commitment. The assessment of the professor’s qualifications occurs in two terms with an interim evaluation (after two years) in the first three, and a final evaluation (after five years) in all four categories.

Criteria for the interim evaluation

Research performance
The professor is expected to achieve the following research goals:

• The professor makes a significant contribution to the development of his/her field of research. This is demonstrated, for example, by the acquisition of observing time at leading observatories, or computing time at “high-performance computing” facilities and by publications with substantial own contribution in peer-reviewed journals and conference papers.

• The professor participates in competitive calls (EU, DFG, BMBF, collaborative projects, etc.) to acquire third-party funding.

Academic teaching
The professor is actively engaged in academic teaching. This is demonstrated by:

• Successful completion of courses (lectures, seminars) in the Bachelor of Science Physics program or in the Master of Science Astrophysics program or in the physics teacher training courses.

• Successful supervision of bachelor’s or master’s theses.

Regarding research performance and academic teaching: expected are excellent research achievements that are internationally recognized as top range in the field along with a very good performance in academic teaching or, alternatively, an excellent teaching performance along with very good research achievements that significantly exceed international standards.

Personnel management skills
The professor

• leads their own working group,

• continues his or her training within the framework of the personnel development concept of the University of Bonn (e.g. coaching for executives) or by means of other events.

Criteria for the final evaluation

Research performance
The professor is expected to demonstrate excellent performance in research by the time of the final evaluation:
• The professor makes a visible contribution to the development of his/her field of research. This is demonstrated, for example, by the acquisition of observing time at leading observatories, or computing time at "high-performance computing" facilities and by publications with substantial own contribution in peer-reviewed journals and conference papers.

• The professor successfully participates in competitive calls (EU, DFG, BMBF, collaborative projects, etc.) to acquire third-party funding.

• The professor is committed to the promotion of young scientists, as demonstrated by the supervision of doctoral students or postdoctoral researchers.

**Academic teaching**
The professor is actively engaged in academic teaching. This is demonstrated by:

• Successful completion of courses (lectures, seminars) in the Master of Science Astrophysics program or in the Bachelor of Science Physics program or in the physics teacher training courses. At least two of these courses should be from the Master of Science Astrophysics program.

• Successful supervision of bachelor's or master's theses.

Regarding research performance and academic teaching: expected are excellent research achievements that are internationally recognized as top range in the field along with a very good performance in academic teaching or, alternatively, an excellent teaching performance along with very good research achievements that significantly exceed international standards.

**Personnel management skills**
The professor

• leads their own working group,

• continues his or her training within the framework of the personnel development concept of the University of Bonn (e.g. coaching for executives) or by means of other events.

**Academic commitment**
The professor is actively involved in academic self-governance. This is demonstrated by appropriate participation in internal university commissions or committees.

Stand: 17.10.2022