



Postdoc (m/f/d) in the field of interdisciplinary physics (E 13 TV-L full-time) Institute of Theoretical Physics, TU Braunschweig

The Institute of Theoretical Physics at the Technische Universität Braunschweig invites applications for a postdoc position in the field of interdisciplinary physics (salary scale E13 TV-L, full-time). The appointment begins in April 2026 and will end in September 2027. Extension of the position depends on the performance of the research and teaching as well as the funding availability in the institute.

Interdisciplinary physics focuses on establishing new connections between different branches of physics. In particular, the institute welcomes applications which will connect astrophysics with quantum science through linear and nonlinear waves, resonance phenomena, and beams. Intersections and interactions between astrophysics and quantum science (atomic/molecular physics, quantum sensors, quantum computing) are encouraged for the position. Applications should provide detailed, in-depth knowledge about the interdisciplinary aspects of astrophysics and quantum science to emphasize the integration of different branches.

The successful candidate will have higher degrees of freedom in research (i.e., topics and methods are not specified). The candidate will establish a new branch of interdisciplinary physics through the interactions with the institute research staff, and contribute actively to publications and research grant proposals. The candidate will participate as a teaching assistant in the graduate courses in Solar System Physics or Quantum Material at the university.

The candidate must hold a PhD degree in the field of physics or related subjects, and must be fluent in English communication. The application includes (1) cover letter, (2) curriculum vitae with academic and employment tracks, (3) publication list (and project funding list if any), (4) research experience up to 2 pages, (5) research plan up to 2 pages, (6) certificates of the Bachelor, Master, and PhD degrees, and (7) two contact points for reference (name/address/phone/email). Recommendation letters sent by the applicants will not be considered as reference.

Please send the application as a single PDF file (up to a file size of 10 MB) by email to y.narita@tu-braunschweig.de with the email header "LS202502 application for postdoc position" before 6 January, 2026. For inquiries, please contact Prof. Dr. Yasuhito Narita by phone +49 531 391 5186 or by email at the same address as above.

The institute welcomes applicants of all nationalities. At the same time, the institute encourages people with severe disabilities to apply. Applications from severely disabled persons will be given preference if they are equally qualified. Please attach a proof of disability to your application.

The personal data will be stored for the purpose of processing the application. By submitting your application, you agree that your data may be stored and processed electronically for application purposes in compliance with the provisions of data protection law. Further information on data protection can be found in our data protection regulations:

<https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen>