

Technische Universität Braunschweig is looking for a

PhD student in theoretical physics (TV-L E13, 75%)

The position will be assigned to the Institute of Mathematical Physics at Braunschweig University. Closing date for applications: 21.06.2020.

Job description: Theoretical studies of strongly-correlated electron systems using modern many-body techniques.

Job qualifications: The main criterion is excellence and dedication combined with good communication skills and ability for independent research. It is required that the candidate has successfully studies in physics (Master degree or its equivalent). The candidate needs to have a strong background in the field of theoretical many-body physics. In particular, experience in at least two of the following fields is required: (1) tensor networks, (2) the numerical renormalization group (NRG), (3) many-body Green's functions and the functional renormalization group, (4) topological systems, (5) non-equilibrium phenomena. We expect the candidate to have significant international exposure.

Our offer: An excellent cutting-edge research environment, aiming at enabling excellent scientific careers. Remuneration will be in line with the current German collective pay agreement TV-L E13, 75%. The employment will initially be limited to two years and 10 months with possible extension. TU Braunschweig is an equal opportunity employer committed to excellence through diversity. We explicitly encourage women to apply and preference will be given to disabled applicants with equivalent qualifications. Disabled persons are required to include a copy of proof concerning their degree of disability.

How to apply and contact: Applications should be sent via email to the email address specified below. Please send a complete written application (in English) as a **single PDF file** consisting of a cover letter (statement of purpose), full CV, academic certificates and transcripts (bachelor, master, and PhD), and other supporting certificates in the email subject to:
Prof. Dr. Christoph Karrasch (c.karrasch -A-T- tu-bs.de)

Please note that application expenses cannot be refunded. We kindly ask for your understanding that non-considered applications sent by post can only be returned in a self-addressed and sufficiently reply-paid envelope.

During the application process, personal data will be stored electronically.