

External Job Advertisement Reg. Nr. 5-8999/26-D

The Faculty of natural sciences II, Institute of physics, at Martin Luther University Halle-Wittenberg is seeking a full-time

Engineer (m-f-d)

for a fixed term of 1 year starting at the earliest possible opportunity.

The above fixed-term contract is in accordance with Section 14, Paragraph 2 of the TzBfG (Teilzeit- und Befristungsgesetz – 'German Part-Time and Fixed-Term Employment Act'), which stipulates that only applicants with no prior employment relationship with the state of Saxony-Anhalt will be considered.

Remuneration will be determined based on job duties and responsibilities and will be aligned with the fulfillment of listed personal requirements, up to pay grade 11 under the TV-L (Tarifvertrag für den Öffentlichen Dienst der Länder – 'German Public Service Pay Agreement for the Federal States').

Job Responsibilities:

- Independent development of complex, novel instrument setup for photoelectron spectroscopy
- Development and implementation of ambitious scientific software to control, evaluate and automatize experiments
- Independent evaluation and recommendation of technical solutions for the procurement of components, based on own market research and assessment of technical feasibility
- Coordination and technical supervision of the new laboratory build-up
- Coordination of the procurement of new equipment for the laboratory setup
- Establishment and maintenance of technical documentation for experiments and experimental systems
- Conducting and analysing experiments in surface and boundary physics

Requirements:

- Completed university degree (BA) of engineering, physics or equivalent qualification
- Solid knowledge of solid-state physics
- Comprehensive expertise in software development (especially Python, Bluesky, EPICS, C++)
- Knowledge in electronics development and mechanical design (CAD)
- Experience in laser spectroscopy
- Experience with handling and developing UHV systems
- Experience with ARPES systems
- Excellent communication skills
- High level of self-motivation
- Very good English language proficiency

Applications from disabled persons, including those of equal status (as certified by the *Bundesagentur für Arbeit* / Federal Employment Agency), will be given preferential consideration if they are equally suitable and qualified. Women are strongly encouraged to apply. Applications from individuals of all nationalities are explicitly welcome. Applicants with a degree that was not obtained at a German university must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (ZAB) (<https://www.kmk.org/zab/central-office-for-foreign-education>) as proof of equivalence upon conclusion of the

employment contract. You can find ways to apply for a financial grant for this under: <https://www.anerkennung-in-deutschland.de/html/de/pro/anererkennungszuschuss.php#>.

If you have any questions, please contact Prof. Dr. Niels Schröeter, Email: niels.schroeter@physik.uni-halle.de.

Please send your application, including Reg. No.: 5-8999/26-D, with the typical documents (motivation letter, CV, certificates) to Martin Luther University Halle-Wittenberg, Institute for Physics, 06099 Halle (Saale), or preferably by e-mail to recruitment-schroeterlab@physik.uni-halle.de until 23/09/2026.

This job posting is subject to potential budgetary restrictions.

Application costs will not be reimbursed by Martin Luther University. Application documents will only be returned if a sufficiently stamped envelope is enclosed. Electronic applications are welcome.