



GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

The Faculty of Physics at the Georg-August-Universität Göttingen is looking to fill the position of a

Post-Doctoral Research Assistant

(Salary: Pay grade 13 TV-L, 39.8 hours/week, for the duration of 36 months)

at the II. Institute of Physics with a starting date August 1, 2019.

The ion beam physics group at the University of Göttingen, Germany, seeks a Post-Doctoral Research Assistant for a research project funded by the Federal Ministry of Education and Research (BMBF). This project aims at the development of an ultra-low energy ion implantation facility for implantation of radionuclide ions into thin films and two-dimensional materials. The facility will be installed at the ISOLDE Isotope separator at CERN. The system will be connected to an existing UHV system for measurements using nuclear solid state physics methods (Mössbauer spectroscopy, Perturbed angular correlation spectroscopy) and conventional surface analysis techniques. The development includes ion optics design, UHV system design, radiation safety issues, sample process control and gamma and electron spectroscopy.

Qualifications and expertise:

PhD degree in physics or engineering, preferably with focus on solid state physics and/or nuclear physics. Experience with mechanical design (CAD) and ultra high vacuum technology. Knowledge about ion accelerators and ion optics. Experience with nuclear radiation detection and nuclear spectroscopy techniques Simulation of ion optics with professional software. Software and firmware programming (C, C++, Python, Labview).

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. Disabled persons with equivalent aptitude for the position will be favored.

Please send your formal application until July 15, 2019 with the usual documents to **Prof. Dr. Hans Hofsäss**, II. Physikalisches Institut, Georg-August-Universität Göttingen, Friedrich-Hund-Platz 1, 37077 Göttingen. e-mail: hans.hofsaess@phys.uni-goettingen.de



Please note: With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the Hinweisblatt zur Datenschutzgrundverordnung (DSGVO) <https://www.uni-goettingen.de/hinweisdsgvo>