



PhD position at Georg-August-University Göttingen in ATLAS-Experiment

There is one opening for a

PhD position (pay scale E13 TV-L) (m/f/d)

(part time employment, presently 19,9 hours per week) to start immediately. The positions will be filled for a duration of 3 years.

The activity takes place in the working group of Prof. Arnulf Quadt on experimental particle physics at the University of Göttingen in the development of pixel detectors for the ATLAS upgrade to the High-Lumi LHC. Main focus is the development of pixel readout electronics, as well as participation in the execution and evaluation of test beam campaigns, module and sensor tests, as well as module construction and system integration. The successful candidate is expected to participate in the supervision of students, in the regular operation of the particle physics group in Göttingen and in the research activities of the group. The successful candidate is expected to participate in the supervision of students, in the regular operation of the particle physics group in Göttingen and in the research activities of the group.

The group has experience in the development and operation of radiation-hard semiconductor pixel detectors. It is integrated and engaged in the nationwide BMBF research focus "ATLAS" and the joint project "Research Infrastructure - FIS" on upgrade the LHC.

The prerequisite for employment is a completed scientific university degree in physics or another relevant field (diploma or master's degree). English skills, software and programming skills in modern programming and scripting languages as well as experience in detector development are expected. Previous knowledge in Experimental Particle Physics is welcome.

Applications with the usual documents should be sent at the latest on September 15, 2020 to:

Prof. Dr. A. Quadt
II. Physikalisches Institut
Georg-August-Universität Göttingen
Friedrich-Hund-Platz 1
37077 Göttingen, Deutschland
[**aquadt@uni-goettingen.de**](mailto:aquadt@uni-goettingen.de)

The University of Göttingen is an equal opportunity employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply as they are underrepresented in this field. Disabled persons with equivalent aptitude will be favoured.

Hint: Please only submit your application documents electronically. The documents will be disposed after a period of three months.

