



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 26,5 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. The focus is on the study and characterisation of active CMOS pixel detectors with the aim of developing thin and radiation-hard track detectors for future particle physics detectors. Participation in the study and development of pixel detectors with high time resolution through "Low Gain Avalanche Detectors - LGADs" is also possible. The successful candidate will be 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 working group has experience in the development and operation of radiation-hard semiconductor pixel detectors. It is integrated and involved in the Germany-wide BMBF research programme "ATLAS" and the joint project "Research Infrastructure - FIS" for the LHC upgrade as well as in the network for the development of CMOS pixel detectors.

The prerequisite for employment is a university degree in physics or another relevant field (Diploma or Master's degree). Knowledge of English, software and programming skills in modern programming and scripting languages as well as experience in detector development are expected. Previous experience in experimental particle physics is desirable.

Applications with the usual documents should be sent at the latest on **11th July 2024** 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)

For more information contact aquadt@uni-goettingen.de.

The University of Göttingen aims to increase the proportion of women in areas where women are underrepresented and therefore explicitly invites qualified women to apply. The University has set itself the goal of employing more severely disabled people. Applications from severely disabled persons will be given preference if they are equally qualified.



FAMILIE N DER
HOCHSCHULE

Notice:

We would like to point out that submitting an application constitutes consent under data protection law for us to process your applicant data. You can find more details on the legal basis and use of data in the [information sheet on the General Data Protection Regulation \(DSGVO\)](#).