



Kirchhoff-
Institut
für Physik



UNIVERSITÄT
HEIDELBERG
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SEIT 1386

The **ATLAS group at the Kirchhoff Institute for Physics in Heidelberg (Prof. Hans-Christian Schultz-Coulon)** has an opening for a

Postdoctoral Position

The Kirchhoff Institute is member of the ATLAS collaboration since its formation. Our group has contributed to the construction, operation and data analysis of the experiment. Our expertise lies in particular in the design of trigger systems and the analysis of Standard Model processes as well as Physics Beyond the Standard Model. For the Phase-2 upgrade we work towards building the interface from the Tile Calorimeter to the new trigger system which involves electronic board design, the implementation of preprocessing algorithms (FPGA programming) and the corresponding software alongside with frequent tests at CERN including test beam campaigns.

The successful candidate is expected to take a leading role in the Phase-2 upgrade , run-3 data taking, performance validation as well as data analysis. This involves also close communication with the involved parties from the Tile calorimeter as well as the trigger system. Longer stays at CERN are foreseen in particular during the installation and commissioning period. Applicants should have a doctoral degree in physics and should have demonstrated excellent skills in particle physics detector development and operation as well as possibly in HEP data analysis. They should be strong team players and possess excellent communication skills.

The position is originally limited to a duration of two years with the possibility of further extension. Payment is according to the E13 salary level of the German TV-L system. Applications should be sent to atlas-application@kip.uni-heidelberg.de before June 15th 2025 and should include a curriculum vitae, a short description of the research experience and interests, copies of certificates and degrees and the names and contact addresses of three persons to be contacted for letters of reference. Applications will be continuously evaluated until the position is filled.

Further information can be obtained from:

Prof. Dr. Hans-Christian Schultz-Coulon (coulon@kip.uni-heidelberg.de)

Dr. Rainer Stamen (stamen@kip.uni-heidelberg.de)

Heidelberg University stands for equal opportunities and diversity. Qualified female candidates are especially invited to apply. Persons with severe disabilities will be given preference if they are equally qualified. Information on job advertisements and the collection of personal data is available at www.uni-heidelberg.de/en/job-market.