

The **Detector Development group at the Kirchhoff-Institute for Physics at Heidelberg University** has an opening for a

Postdoctoral Position for the Mu3e Experiment

Our group is member of the Mu3e collaboration since its formation. We focus on the development and construction of the SiPM-based tile timing system (Tile detector) of the experiment, which is currently under construction. The Tile detector design has been fully developed by our group including its front-end readout based on the Heidelberg MuTriG chip. In addition to building and commissioning the Tile detector, the group contributes to Mu3e also via the development of general readout and control firm- and software, timing calibration and performance studies as well as the overall detector integration.

The open position focuses on the integration, commissioning, and calibration of the Tile detector. This requires close collaboration with the other groups in Mu3e. In the context of detector integration and commissioning, extended stays at the Paul Scherrer Institute in Villigen (CH) are foreseen. Once Mu3e data taking has commenced participation in the data analysis is encouraged. In addition, an involvement in studies for an upgraded detector concept to be employed during the second Mu3e Phase is possible.

Applicants should have a doctoral degree in physics and should have demonstrated excellent skills in particle physics instrumentation development and possibly HEP data analysis.

The position is limited to a duration of three years with the possibility of an extension. Payment is according to the E13 salary level of the German TV-L system. The postdoctoral researcher will be part of a dynamic, family-friendly, and international research environment. We offer the opportunity to further develop your research and teaching skills and to take part in the University's career development program.

Applications should be sent to mu3e@kip.uni-heidelberg.de until **31 May 2023** (later applications may also be considered if the position is not yet filled) 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.

Further information can be obtained from:

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

Dr. Konrad Briggel (kbriggel@kip.uni-heidelberg.de)

Heidelberg University stands for equal opportunity 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.