



The **Particle Physics** group of **Prof. Markus Schumacher** at the **University of Freiburg** has openings for

### **Two Researchers**

in the area of Grid/Cloud computing in the context of the ATLAS experiment starting on **1<sup>st</sup> May 2019 or later**.

Our group has long-standing experience and expertise in Higgs boson physics, operation of WLCG Grid compute and storage clusters and in computing development projects within the ATLAS collaboration.

The successful candidates are expected to participate: a) In the development and validation of novel technologies to incorporate heterogeneous compute resources in the ATLAS workflow (fast data caches, container solutions e.g. singularity) and its monitoring and optimisation. The research will be carried out in a new computing compound in Germany, with participants from 13 institutes from particle, astro-particle and hadron/nuclear physics. b) In the operation and monitoring of the Tier-2 cloud around GridKa and the development of the test framework Hammercloud. Participation in ATLAS data analysis at a level of maximal 33% of the research time is possible

The positions are initially limited to a duration of two years with the possibility of extension. Payment is according to the E13 salary level of the German TV-L system. The University of Freiburg is an equal opportunity employer. Suitably qualified women as well as persons with disabilities are encouraged to apply.

Applicants should hold at least a Master degree in physics or computer science or related fields and preferably already possess experience in Grid/Cloud computing and/or virtualisation techniques. Applications, including a CV, a short description of the research experience and interests, copies of certificates of degrees, and the names and contact addresses of two persons to be contacted for letters of reference, should be sent via email until **1. March 2019** to [markus.schumacher@physik.uni-freiburg.de](mailto:markus.schumacher@physik.uni-freiburg.de).

More information can be obtained from: Prof. Markus Schumacher, Phone:+49 761 203 7612 E-Mail: [markus.schumacher@physik.uni-freiburg.de](mailto:markus.schumacher@physik.uni-freiburg.de).

Information on the handling of personal data can be found at <http://www.zuv.uni-freiburg.de/service/stellenausschreibungen/datenschutz-bewerbungen>.