



The **ATLAS group** together with **Dr. Valerie Lang** at the **University of Freiburg** and funded by the **Baden-Württemberg Stiftung** has an opening for a

### **Doctoral (PhD) Student**

in the area of Standard Model measurements in heavy ion collisions and search for new physics, starting on **1<sup>st</sup> June 2022**.

The position is in collaboration with the group of Prof. Markus Schumacher. The group combines long-standing experience and expertise in Higgs boson and  $\tau$ -lepton physics, Standard Model measurements, searches for new phenomena at the LHC as well as measurements of the LHC luminosity within the ATLAS collaboration.

We are seeking a highly motivated and enthusiastic doctoral (PhD) candidate to contribute to our efforts in the measurement of pair production of  $\tau$ -leptons in heavy ion collisions and the determination of the anomalous magnetic moment and the electric dipole moment of the  $\tau$ -lepton. Participation in technical work in the area of the ATLAS luminosity measurement is also expected.

The research will be carried out in the context of the Research Training Group "Mass and Symmetries after the Discovery of the Higgs Particle at the LHC", which offers an excellent environment for supervision, advanced training, and further qualification. Travels to CERN (considering Covid-19 restrictions) and an extended stay at CERN of up to 6 months are also foreseen. The position will be paid according to TV-L E13 (67%).

Applicants should hold an excellent Master degree in particle physics. Applications should include a motivation letter, a CV, a short description of the research experience, copies of certificates of degrees, a copy of or link to the master thesis and the names and contact addresses of three persons to be contacted for letters of reference. Applications should be sent via email in one pdf-file until **28. February 2022** to [valerie.lang@physik.uni-freiburg.de](mailto:valerie.lang@physik.uni-freiburg.de).

More information can be obtained from Dr. Valerie Lang, E-Mail: [valerie.lang@physik.uni-freiburg.de](mailto:valerie.lang@physik.uni-freiburg.de).

Candidates are selected in accordance with the provisions of the AGG (Allgemeines Gleichbehandlungsgesetz - German General Equal Treatment Act). Applicants with disabilities will be given preferential consideration in case of equal qualification. We particularly encourage applications by women.

Information on the handling of personal data can be found at <https://intranet.uni-freiburg.de/sazs/stellenausschreibungdaten>.