



The **ATLAS group at the University of Freiburg (Prof. Karl Jakobs)** has an opening for a

Postdoctoral Position

Our group has long-standing experience in Higgs boson physics and in searches for physics beyond the Standard Model and is strongly engaged in the upgrade of the ATLAS inner tracker (ITk) in the area of the silicon strip detector in the endcap region.

The position is focused on the two main group activities in ATLAS, di-Higgs boson production and participation in the ITk project. Based on our experience, we plan to study di-Higgs boson production, which is essential to probe the important Higgs boson self-coupling, in the $HH \rightarrow \tau\tau b\bar{b}$ decay mode. Via participation in the ATLAS upgrade project, valuable hardware experience can be acquired. The incumbent is given the opportunity to take a leading role in ITk module production and testing and module loading onto larger petal structures.

The position is limited to a duration of three years with the possibility of an extension by one more year. Payment is according to the E13 salary level of the German TV-L system. The University of Freiburg is an equal opportunity employer. Suitable qualified women as well as persons with disabilities are encouraged to apply.

Applicants should hold a doctoral degree in physics and should have demonstrated excellent skills in particle physics data analysis or detector development. They are expected to participate to some extent in teaching at the faculty.

The position is available from **1 May 2023**.

Applications should be sent to **christina.skorek@physik.uni-freiburg.de** until **31. March 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 of degrees, and the names and contact addresses of three persons to be contacted for letters of reference.

Further information can be obtained from:

Prof. Karl Jakobs (karl.jakobs@uni-freiburg.de)

Dr. Ulrich Parzefall (ulrich.parzefall@physik.uni-freiburg.de)

Dr. Christian Weiser (christian.weiser@physik.uni-freiburg.de)