As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

The Faculty of Mathematics, Informatics and Natural Sciences, Department of Physics, Institute of Experimental Physics invites applications for a

RESEARCH ASSOCIATE
PARTICLE PHYSICS WITH THE CMS DETECTOR
- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 1 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on 1 February 2021 or later.

This is a fixed term contract in accordance with Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The initial fixed term is three years. The position calls for 66.67% of standard work hours per week.*

RESPONSIBILITIES:
Research associates will be expected primarily to teach and conduct research. The research associate will also have the opportunity to pursue further academic qualifications, in particular a doctoral dissertation. At least one-third of set working hours will be made available for the research associate’s own academic work.

SPECIFIC DUTIES:
Our group consists of more than 60 members and is deeply involved in detector R&D as well as operation, calibration and data analysis of the CMS experiment. Candidates are expected to engage in one of the following research fields: Measurements of Standard Model (SM) processes, e.g. in the top or Higgs sector or jet substructure observables, searches for physics beyond the SM or rare SM processes, including machine learning. Contributions to the running, calibration and optimisation of the detector or computing are expected as well. Interested candidates will be offered the opportunity for own research, advanced training and development of teaching skills in a stimulating scientific environment.
A close collaboration exists with other research groups in experimental and theoretical physics of the University and of DESY located on the same campus, in particular through the cluster of excellence “Quantum Universe” funded by the German Science Foundation (DFG). Teaching duties amount to 2,5 teaching hours per week.

* Full-time positions currently comprise 39 hours per week.
**REQUIREMENTS:**

A university degree in a relevant field. Experience in LHC data analysis is advantageous.

The Free and Hanseatic City of Hamburg promotes equal opportunity. As women are currently underrepresented in this job category at Universität Hamburg according to the evaluation conducted under the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HambGleiG), we encourage women to apply for this position. Equally qualified and suitable female applicants will receive preference.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information, please contact Prof. Dr. Johannes Haller (+49 40 8998-4710 or Johannes.Haller@physik.uni-hamburg.de) or consult our website at https://www.physik.uni-hamburg.de/en/iexp/gruppe-haller.html.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 31 December 2020 to: Magdalene.Hack@uni-hamburg.de.

Please do not submit original documents as we are **not** able to return them. Any documents submitted will be destroyed after the application process has concluded.