Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

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 (POSTDOC)
PARTICLE PHYSICS WITH THE CMS EXPERIMENT
- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on 1 November 2020 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 contract provides for a maximum extension of up to three years depending on the associate's achievements during the first stage. Providing that a position is available and that requirements have been fulfilled, the associate may apply for temporary civil servant status in accordance with Section 28 subsection 2 HmbHG. The position is full-time and comprises 39 hours per week (40 for civil servants). This position is also suitable for part time employment.

RESPONSIBILITIES:

Duties include teaching and research in the respective department or institute. Research associates may also pursue independent research and further academic qualifications as well as acquire teaching experience. These duties are intended to promote academic achievement. Therefore, at least one-third of set working hours will be made available for the associate's own academic work.

SPECIFIC DUTIES:

Our group is deeply involved in data analysis and operation of the CMS detector at the CERN Large Hadron Collider as well as detector R&D. Candidates are expected to play a leading role in CMS data analysis in the areas of Higgs physics, top physics or searches for new phenomena, possibly including machine learning techniques. Contributions to the operation and calibration of the detector as well as improvements and studies of reconstruction algorithms or computing are expected as well.

Interested candidates will be offered the opportunity for independent research, advanced training, supervision of students and development of teaching skills in an inspiring scientific environment. Candidates may pursue an habilitation. Teaching duties amount to 4 hours per week in the initial three years. In case of an extension of the contract, teaching duties will be increased to 6 hours per week for the following 3 years.

The CMS group at University of Hamburg consists of more than 60 members. Funding is available through the University and through third party grants of the federal initiative ErUM-FSP T03 “Particle Physics with the CMS Experiment“ by the German Ministry for Education and Research (BMBF) as well as through the cluster of excellence "Quantum Universe" funded by the German Science Foundation (DFG). A close collaboration exists with other research groups in experimental and theoretical physics of the University and of DESY located on the same campus.

REQUIREMENTS:

A university degree in a relevant subject plus doctorate. Applicants are required to have an excellent research record in particle physics and good communication, presentation and writing skills.

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 30 September 2020 to: Magdalene.Hack@uni-hamburg.de. Please add to your application a list of relevant publications, a research statement and the names of at least two referees.

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