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, Institute for Experimental Physics invites applications for a

**RESEARCH ASSOCIATE FOR THE PROJECT "DETECTOR DEVELOPMENT FOR THE CMS EXPERIMENT"**

- **SALARY LEVEL 13 TV-L** -

The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on July 1st 2020.

This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed for a period of 3 years. The position calls for 39 hours per week. This position is also suitable for part time employment.

**RESPONSIBILITIES:**

Duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications.

**SPECIFIC DUTIES:**

Our group is deeply involved in detector R&D and construction of the CMS experiment. Candidates are expected to engage in the development and characterization of prototype pixel modules for the high luminosity phase of the CMS pixel detector. A close collaboration with international partner institutes is expected.

Specific responsibility of the candidate will be:
- Development and test of multi-chip modules for pixel phase II CMS detector
- Test beam characterization and data analysis of RD53A readout sensors

Interested candidates will be offered the opportunity for independent research, advanced training, supervision of students and development of teaching skills. Additional scientific accomplishments are encouraged. The position is financed through the federal initiative FSP-102 "Physics with the CMS Experiment" by the German Ministry for Education and Research (BMBF).
REQUIREMENTS:

A university degree in a relevant subject plus doctorate. Applicants are required to hold a doctoral degree in physics and to have an excellent research record. A strong competence in laboratory measurements is expected. Candidates preferably have experience with read-out electronics, data acquisitions and analysis of detector data.

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. Erika Garutti, Tel. +49 (0)40 8998 3779 or consult our website at www.iexp.uni-hamburg.de.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 20.03.2020. Later applications are accepted until the positions are filled to: Mrs. Gundula Serbser, gundula.serbser@desy.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.