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 FOR THE PROJECT "CLUSTER OF EXCELLENCE QUANTUM UNIVERSE" PHYSICS STUDIES AT FCC-HH
– 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 1 April 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 term is fixed for a period of 2 years. The position calls for 39 hours.

RESPONSIBILITIES:

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

SPECIFIC DUTIES:

The Cluster of Excellence "Quantum Universe" performs research to understand mass and gravity at the interface between quantum physics and cosmology. The research team includes leading scientists from mathematics, particle physics, astrophysics, and cosmology at Universität Hamburg and DESY.

Candidates for this postdoc position are expected to contribute to the physics studies at a future collider, with particular emphasis on a hadron machine at high energy and luminosity, like the FCC-hh. He/She will work on the science case and software tools for FCC-hh and also work closely with other members within the Cluster of Excellence working on future electron-positron colliders, like FCC-ee or ILC.

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

Postdoctoral research associates will become member of the Quantum Universe research school (QURS) and through this receive offers for academic training, soft skills, and career planning. In addition, they will receive individual budgets, meant to enable them to attend conferences or other educational and supporting measures. Additional travel money for project-specific duties will be made available via the hosting research groups. Postdoctoral research associates may participate in the supervision of doctoral students, teaching at the University, and in the organization of the Cluster via an early career council.

REQUIREMENTS:

A university degree in a relevant field. A doctorate in the field of high-energy physics and excellent programming skills are required. Experience in data analysis and statistical methods at the LHC and in management of large software packages is advantageous.

The Free and Hanseatic City of Hamburg promotes equal opportunity. As women are currently underrepresented at this position 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. Elisabetta Gallo (elisabetta.gallo@desy.de) and Prof. Dr. Kerstin Tackmann (kerstin.tackmann@desy.de) or consult our website at www.qu.uni-hamburg.de.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 20 February 2020 to: elisabetta.gallo@desy.de, kerstin.tackmann@desy.de and office@qu.uni-hamburg.de. Applicants should also arrange for three recommendation letters to be sent to the same addresses by the same deadline. Later applications will be considered until the position is filled.

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.

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