

Faculty/Department: Mathematics, Informatics, Natural Sciences/Physics
Seminar/Institute: II. Institute for Theoretical Physics

Universität Hamburg invites applications for a Research Associate for the project **“Cluster of Excellence Quantum Universe”** in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on 1 October 2019.

It is remunerated at the salary level TV-L 13 and calls for 39 hours per week.

The fixed-term nature of this contract is based upon Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed for a period of 3 years.

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Responsibilities:

Duties include academic services in the project named above. Research associates can 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.

The research focusses on physics models beyond the Standard Model that offer cold dark matter candidates. This includes in particular models that are inspired by Higgs-inflation models. The main focus is on comprehensive phenomenological studies of the Higgs and dark matter sector in such models, including theoretical high precision calculations, performing predictions for observables accessible at current and future colliders and incorporation of experimental bounds from particle physics experiments as well as from cosmology. Close collaboration with experimental groups is intended.

Requirements:

A university degree in a relevant subject plus doctorate.

Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

For further information, please contact Prof. Dr. Gudrid Moortgat-Pick (+49 49 8998-1716 or gudrid.moortgat-pick@desy.de) or consult our website at www.qu.uni-hamburg.de.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 21 December 2018. Please send applications to: gudrid.moortgat-pick@desy.de and office@qu.uni-hamburg.de.