Universität Hamburg is dedicated to sustainability, equal opportunity, and family-friendly policies. We also prize cultural diversity, communication, and interaction among people from different backgrounds and with different lifestyles.

Through the Cluster of Excellence Quantum Universe, the University is establishing research into quantum physics, including gravitational waves. This should focus particularly on research into compact objects such as neutron stars, black holes, and active galactic nuclei, which play a significant role in understanding gravity and matter under extreme conditions.

The Faculty of Mathematics, Informatics and Natural Sciences invites applications for a

**PROFESSORSHIP (W3) FOR THEORETICAL ASTROPHYSICS OF COMPACT OBJECTS**

commencing **as soon as possible**, ref. no. 2307/W3.

**RESPONSIBILITIES:**

Establishing a research area in theoretical astrophysics with a focus on compact objects and connections to gravitational wave research.

The successful candidate should have demonstrated expertise in simulations of astrophysical compact objects and their observable characteristics. Expertise in the field of high-performance computing and experience in comparing simulations to astronomical observations are required. Collaboration with observatories (including CTA, LOFAR, eROSITA, LIGO), in which Universität Hamburg researchers are significantly involved, is strongly desired.

Active involvement in the activities of the Cluster of Excellence Quantum Universe is expected. Additionally, the successful candidate should participate in national and international collaborations (e.g., LIGO, eLISA, Einstein Telescope).

The successful candidate is expected to participate actively in the instruction of students at all levels. Teaching duties include holding lectures, practical courses, and seminars as well as supervising final theses in programs offered by the Department of Physics.

Section 12 subsection 7 sentence 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) applies.

**REQUIREMENTS:**

Academic qualifications and additional requirements as specified in Section 15 HmbHG.
ADDITIONAL CRITERIA:

Applicants are expected to have international research experience as well as a successful track record in acquiring external funding and carrying out externally funded projects. The University places particular emphasis on the quality of teaching and therefore requests that applicants provide details of their teaching experience and objectives.

The post holder is expected to acquire the language skills necessary to teach in German (Level C1 of the Common European Framework of Reference for Languages) within two years of commencing employment providing he or she does not have the requisite skills when starting.

Following hearings, selected candidates will be assessed to ascertain skills in the areas of management and human resources.

In accordance with Section 14 subsection 3 sentence 3 HmbHG, Universität Hamburg seeks to increase the proportion of women in teaching and research and encourages female academics to apply.

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

For further information please contact Prof. Dr. Robi Banerjee at +49 40 42838-8404 or rbanerjee@hs.uni-hamburg.de, or Prof. Dr. Marcus Brüggen at +49 40 42838-8537 or marcus.bruegge@uni-hamburg.de. For more information on the Cluster of Excellence Quantum Universe, see https://www.qu.uni-hamburg.de

The application deadline is 11. July 2019. Please submit your application with your CV, list of publications, teaching experience, external funding record, copies of certification and documents, three representative publications, teaching and research plans, and the reference number 2307/W3, preferably by email in a single PDF file, to: Bewerbungen@verw.uni-hamburg.de or per post to:

An den
Präsidenten der Universität Hamburg
Stellenausschreibungen
Mittelweg 177
20148 Hamburg

1. Carried out in accordance with Section 14 subsection 1 HmbHG.