



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



## Research Associate for the Project “Cluster of Excellence Quantum Universe” X-ray astronomy § 28 Abs. 3 HmbHG

**Institution:** Faculty of Mathematics, Informatics and Natural Sciences, Department of Physics, Cluster of Excellence “Quantum Universe”

**Salary level:** E 13

**Start date:** 01.01.2023 Wählen Sie ein Element aus.

**End of employment period:** The initial fixed term is three years.

**Supervisor:**no

**Application deadline:** 01.11.2022

**Scope of work:** part-time

**Weekly hours:** 66,67%

**Repeat call for applications:** no

### 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.

We invite applications for a research associate position in the field of extragalactic X-ray astronomy. In particular, we are looking to use data from eROSITA observatory to study signatures of black holes.

Candidates should have a Masters degree that included research in astronomy, a sound understanding of high-energy astrophysics and excellent computing skills.

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Doctoral research associates will become members of the Quantum Universe Research School (QRS), which provides academic and soft skills training, as well as career planning support. In addition, they will receive individual budgets to facilitate the attendance of summer schools and conferences, and to support other educational measures. Additional travel money for project-specific duties will be provided by the hosting research groups. Doctoral research associates may participate in teaching at the University and in the organization of the Cluster via an early career council.

## Requirements

A university degree in a relevant field.

Familiarity with basics of astrophysics and particle physics, ideally in the form of an undergraduate thesis project. Experience in coding and in the basics of machine learning.

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.

**=> Team 642 will adjust the gender equality passage.**

The Free and Hanseatic City of Hamburg promotes equal opportunity. As women/men 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/men to apply for this position. Equally qualified and suitable female/male applicants will receive preference.

Severely disabled and disabled applicants with the same status will receive preference over equally qualified non-disabled applicants.

### Contact 1

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### Contact 2

Prof. Dr. Gregor Kasieczka

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### Location

Hamburger Sternwarte, Gojenbergsweg 112, 21029 Hamburg

Send us your complete application documents via the online application form (cover letter, CV, list of publications, if available, proof of teaching experience and external funding track record [acquiring and conducting external funding projects], if necessary, further documents stipulated in the job advertisement, ID attesting to your disability or proof of equivalent status) only.

Please also arrange for two letters of reference to be emailed directly to [bewerbungen@uni-hamburg.de](mailto:bewerbungen@uni-hamburg.de).

If you experience technical problems, send an email to [bewerbungen@uni-hamburg.de](mailto:bewerbungen@uni-hamburg.de).

More information on [data protection](#) in selection procedure.