



Call for Applications – Scholarships for Master’s Students for Scientific Qualification within the Cluster of Excellence “Quantum Universe”

The projects will be undertaken at the Department of Physics or Mathematics of Universität Hamburg or, where applicable, at Deutsches Elektronen-Synchrotron (DESY). The scholarships start earliest on 1 April 2020 and are endowed with €800 per month for a duration of 12 months.

Goal and Topics:

The scholarships support the academic qualification in the framework of relevant master's programs of Universität Hamburg ([Mathematics](#), [Mathematical Physics](#), [Physics](#), [Physik](#) (in German)). Scholarship holders will complete the corresponding curricula, but at the same time participate in freely selectable research projects within the Cluster of Excellence. Scientific topics include particle physics, astrophysics, cosmology and mathematical physics. Research projects include, for example, Higgs physics, dark matter, gravitational waves and mathematical methods of quantum field theory, but also machine learning and detector development. See also <https://www.qu.uni-hamburg.de/>.

Requirements:

Enthusiasm for the research topics of the Cluster of Excellence and exceptional grades in a Bachelor's degree program in Mathematics, Physics or a related subject are prerequisites. Besides applying for the scholarship, applicants need to enroll for a Master's degree at Universität Hamburg in [Mathematics](#), [Mathematical Physics](#), [Physics](#) (winter term only), or [Physik](#). The respective admission requirements apply. Students already enrolled in a Master's program in Hamburg are not eligible.

The University aims to increase the number of women in research and therefore explicitly encourages women to apply. Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

Applications are expected to include a cover letter specifying the motivation for applying for a scholarship within the Cluster of Excellence Quantum Universe and how the scholarship will help you to achieve your goals. Please state explicitly which Master's program you are planning to enroll in. It is necessary to express your consent that the selection committee may view your application materials for the MSc. program. Please also include a tabular curriculum vitae, copies of school and university degree certificates and transcripts of records, and a one-page description of your Bachelor's thesis (if your Bachelor's program required a thesis).

Applications including additional accompanying material are to be sent electronically in a single PDF file until **31 January 2020** to office@qu.uni-hamburg.de. Please arrange for at least one letter

of recommendation to be sent directly to the same address. For further information, please see the [FAQs](#) or contact us via this address.