

Job ID: Master_AZ_2023

The Institute for Quantum Optics and Quantum Information Vienna (IQOQI Vienna) of the Austrian Academy of Sciences (ÖAW), the largest non-university institution for basic research in Austria, is offering a

MASTER THESIS PROJECT

in the research group of Anton Zeilinger

You will be part of the group of one of the world's leading research groups in the field of quantum physics, with a focus on quantum foundations and the development of quantum technologies.

Responsibilities:

You will contribute to ongoing research projects with a focus on free-space quantum communication on distances up to several kilometers via telescopes and satellites, and the creation and distribution of high dimensional entangled photon states using adaptive optics systems. In particular:

- design and implementation of experiments
- analysis of experimental data using mathematical and computational tools
- theoretical contributions
- contributions to the development of technical solutions and new ideas for research projects
- supporting the team in project management, event organization, and other activities related to the project

Your profile:

- ongoing master studies in physics
- interest in the foundations of physics
- lab experience, preferably in quantum optics
- enthusiasm for technology
- ability to work independently and as part of a team
- good communication and presentation skills in English
- programming skills or interest in obtaining them

We offer:

- a challenging and rewarding research project under the supervision of Anton Zeilinger and his team
- an exciting research environment with state-of-the-art equipment and facilities
- collaboration and networking opportunities with leading researchers in the field

Interested? Then please send your application documents (CV and letter of motivation) to applications-iqoqi@oeaw.ac.at, mentioning the job ID Master_AZ_2023. Applications will be reviewed on a rolling basis until the position is filled. We are looking forward to receiving your application!

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.