



We are inviting students to apply for BSc projects:

Quantum Optics and Entanglement

Single photons allow us to study the basic principles of quantum physics. Multiphoton states show effects such as entanglement that have no classical counterpart!

Be part of our group, discovering the foundations of quantum physics!

You will:

- Learn how to generate multipartite entangled photonic states
- Experience photon interference beyond the double-slit
- Study the properties of single photons and entangled states
- Experience hands-on quantum mechanics
- Learn how to apply quantum mechanics to experiments

We are looking for:

- BSc Students with a background in physics
- Interest in experimental quantum optics and quantum physics, entanglement
- Ideally some knowledge on programming (Python, Mathematica, Matlab, ...)

BSc projects in Quantum Optics and Entanglement

www.barzgroup.de

For more information,
please contact

Prof. Dr. Stefanie Barz

barz@fmq.uni-stuttgart.de

www.barzgroup.de

 [@StefanieBarz](https://twitter.com/StefanieBarz)