University of Stuttgart
Germany

MAX-PLANCK-GESELLSCHAFT

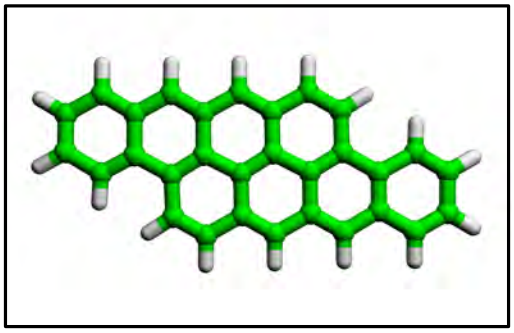
The nano-quantum-optics group in Stuttgart deals with high brightness single photon sources and atomic vapors. These tools are used for fundamental science, precision sensing and microscopy applications. A twist of information science is entangled with the rest, such that is allows for novel concepts in nano-science and spectroscopy. We aim for fundamental research with some reach to quantum technologies

We are looking for a highly motivated PhD or Master student in

Single Molecule Quantum Optics

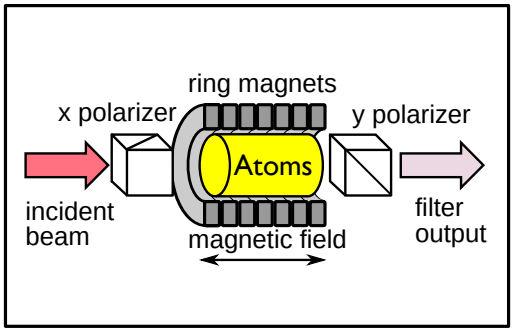
Your tasks:

- build & enhance the worlds' spectral brightest single molecule single photon source
- integrate a cryogenic confocal microscope & hot atomic vapors
- perform quantum optical measurements with single photons & quantum gates
- generate photonic entanglement



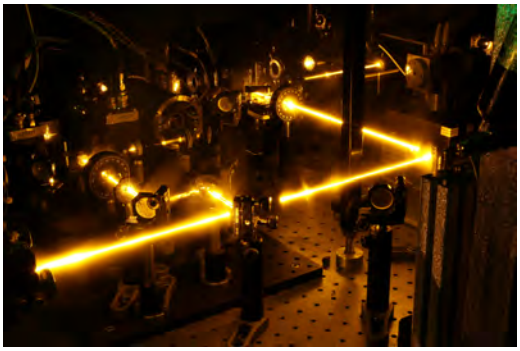
Your skills:

- finished studies of physics or a related field
- extraordinary motivation & the will to dive into a variety of interdisciplinary topics
- eager to learn new things and apply critical thought to electronics & programming & quite some quantum stuff
- (ideally) experience in spectroscopy & microscopy on single emitters & programming



Our offer:

- perform work at the heart of quantum photonics
- a highly sophisticated lab, with no shortage of interesting projects
- a vibrant, international workplace
- fun lab environment, all around the clock
- open-minded & open-source ideas
- flat organizational structure



Are you interested?

...then we are very happy to receiving your application. Please write a few lines about yourself and attach something (such as a CV) that might indicate that you are the right candidate.

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