



**WE ARE RECRUITING!**

## PhD position in quantum frequency conversion



QUANTUM METROLOGY



The [Quantum Metrology research group](#) at the University of Bonn offers a PhD position in the field of quantum frequency conversion.

Within the Cluster of Excellence “Matter and Light for Quantum Computing” (ML4Q), we are currently developing the foundations of a future quantum computing network. Such a network consists of various platforms, which are interconnected by photon exchange. The frequency of these photons needs to be matched to the resonance of the target device, without losing the fragile quantum information: this is the challenge of quantum frequency conversion.

### We offer

- a PhD position (E-13 65%) fully embedded in the ML4Q Cluster of Excellence,
- comprehensive exchange with other research groups within the Cluster,
- the vibrant atmosphere of a very young research group,
- exposure to the growing quantum industry,
- top-level research and training environment of a University of Excellence.

Candidates are expected to already have some experience with lasers, optics, or nonlinear optical processes, along with basic knowledge in quantum information.

**Challenge accepted?** Then send your application to Prof. Simon Stellmer at [stellmer@uni-bonn.de](mailto:stellmer@uni-bonn.de).