



## WE ARE **RECRUITING!**

### PhD position Ultracold mercury for precision measurements



in the [Quantum Metrology research group](#) at the University of Bonn.

Mercury is the heaviest element that can be laser-cooled, and has many unique features that allow for a range of experiments, reaching from quantum degeneracy and quantum simulations all the way to precision measurements to probe physics beyond the standard model. The first generation of the experiment is already operational, and we are currently designing the second generation, geared towards quantum degeneracy and EDM measurements. You will join an enthusiastic team on this ERC-funded project.

#### We offer

- a PhD position fully embedded into the research collaboration OSCAR,
- in-depth training and research in the environment of a University of Excellence,
- visits to summer schools and international conferences,
- research stays at international collaboration partners,
- the vibrant atmosphere of a very young research group,
- exposure to the growing quantum industry.

Candidates are expected to already have a strong background in the field of cold atoms, optical clocks, precision measurements, or a related subject.

#### Challenge accepted?

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