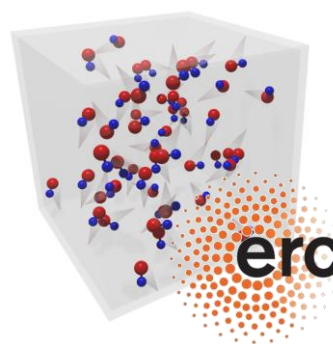


Are you interested in realizing a cutting-edge experiment at the forefront of quantum physics?

PhD position in Laser Cooling of Dipolar Molecules

at the 5th Institute of Physics, University of Stuttgart

The goal of this thesis will be the construction of an experiment to directly laser cool and study diatomic molecules. The student will push state-of-the-art techniques to new limits in order to realize molecular gases in the quantum regime.



With applications ranging from quantum many-body physics to cold collisions and precision measurements, the creation of such gases will enable many fascinating insights at the interplay of physics and chemistry.

We are looking for candidates with a background in experimental techniques ranging from quantum optics and laser cooling to electronics and programming. The position is part of a collaborative environment in an international team, and fully funded by the ERC Starting Grant project NEWMAT.

If you are interested in learning more, please contact Dr. Tim Langen (t.langen@physik.uni-stuttgart.de) or visit

www.coldmolecules.de

