

In the group of Molecular- and Nanophysics (www.nanophysics.uni-freiburg.de)
we are looking for motivate students for a

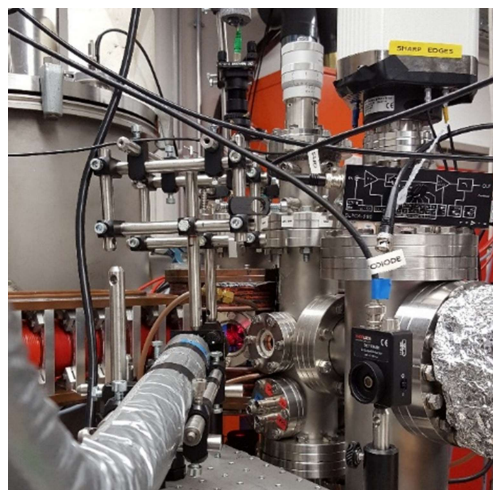
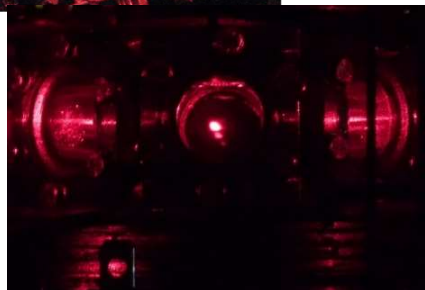
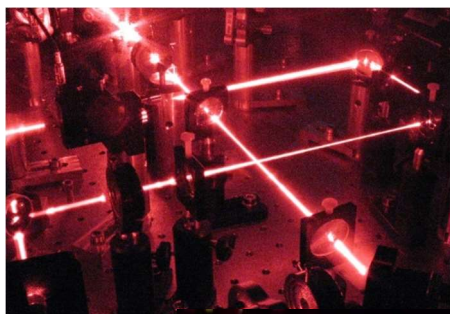


Bachelor/Master/Teacher Graduate Thesis

interested in exciting projects in the field of

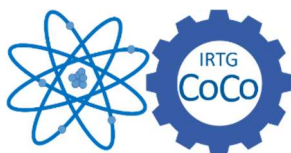
Cold Collisions.

Our experimental work is aimed at studying quantum-state-controlled reactive collisions in the gas phase to observe quantum effects at low collision energies and to selectively manipulate the outcome of chemical reactions. For this, we use an experimental apparatus which consists of a magneto-optical trap for ultracold lithium atoms and a molecular beam source.



We are looking for motivated BSc

and MSc graduates to join our young team of typically three to four people. You should have a strong interest in experimental Atomic and Molecular Physics. We offer different projects related to the setup of optics equipment (e.g., for the optical pumping of atoms), the setup of atomic and molecular beam machines (e.g., the setup of a cryogenic helium source and a Zeeman slower) and the measurement of reactive collisions.



The project is linked to the DFG-funded International Research Training Group (IRTG 2079) "Cold Controlled Ensembles in Physics and Chemistry" (<http://www.irtg-coco.uni-freiburg.de/>)

For further information please contact

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