

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

XUV Free Electron Laser Research

The project is aimed at experimentally studying molecular dynamics triggered with extreme ultraviolet radiation created by the FERMI free electron laser in Trieste. Free electron lasers provide a unique opportunity to observe femtosecond dynamics in molecules as they provide high photon flux at short wavelengths and ultra-short laser pulses. Students joining the group will work as part of a research team on the following possible topics:

- Building and testing cluster sources for atomic and molecular cluster jets working in ultra-high vacuum.
- Preparation of free electron laser experiments (“beamtimes”) in Trieste.
- Data analysis, processing and interpretation of scientific data in preparation for publications.



Elettra Sincrotrone and FERMI (Trieste)

We are looking for students with interest in Experimental Atomic, Molecular and Optical Physics. If you are interested in molecular dynamics, capable of independent scientific work, and have good problem solving skills; you are very welcome to join our group.



For further information please contact

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