

Advanced Module Description: FTIR Spectroscopy.

This module will give an introduction into FTIR broadband THz spectroscopy.

The module includes the preparation of a Helium cooled detector as well as an introduction into the handling of sample cells.

After this preparatory tasks, THz spectra of aqueous salt solutions will be recorded under supervision at the FTIR spectrometer.

Finally, the spectra will be analyzed by means of the software *Mathematica* in order to dissect the spectra into cationic and anionic contributions.