

MEDUSA (FTIR to low temperature with LEED and STM)

Objectives

Surface science. FTIR at low temperature. Possibility to study the sample in different temperatures and pressure without changes the base pressure.

Environmental conditions

- Sample temperature range: from 7K to 300K in sample holder computer controlled.
- Atmosphere: vacuum base pressure 10^{-11} mbar by turbo pumps, Ion pump, TSP and NEG.

Analytical Techniques

- **FTIR** (Fourier Transform Infrared).
- **TPD** (Temperature Programmed Desorption).
- **LEED** (Low Electron Energy Diffraction).
- **STM** (Scanning Tunneling Spectroscopy).

