Methods IAAC, Hillebrecht

Fourier Transform IR Spectroscopy	Model:	Bruker IFS66V IR-Spectrometer
	Unit and Room:	Inorg. Chemistry, Basement, R134
	Responsible:	Anita Becherer
Vibrational Spectroscopy	Further information:	

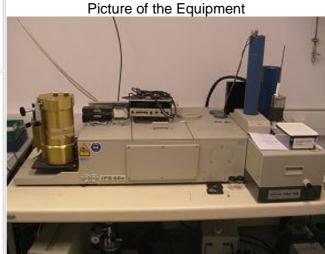
Short Description:

FT-IR spectrometer with self adjusting Michaelson interferometer.

Available Experiments/Techniques:

IR in Transmission, Reflexion and Diffuse Reflexion (50 to 8000 cm-1) with DTGS in vacuum

FIR in Transmission (200 - 10 cm⁻¹) with Bolometer in vacuum



space-resolved investigations on inhomogenous

Special Equipment:

Low temperature units for MIR/FIR (80K to 350K) IR unit for high pressure cells

Measurements on the equipment are Trained scientific service personal currently done by: Recent Publications, where this J. Am. Chem. Soc. 2009, 131, 12172; 9; Chem. Eur. J. 2008, 14, 7331; Angew. Chem. 2005, 118, instrument was important (citation): 172. Typical problems that may be solved with structural investigations of solid state compounds this instrument: and liquids/solutions investigation of lattice dynamics and local symmetry in disordered crystals temperature dependent (10K-350K) and pressure dependent phase transitions

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