

Close cycle cryostats with Mössbauer spectrometers



The close cycle cryostat (Janis, USA) with the accompanying spectrometer (SEECO, USA) allow very efficient acquisition of temperature dependent Mössbauer spectra, down to 4.5 K over a large range of velocities and for different Mössbauer isotopes (^{57}Co , ^{119}Sn and ^{151}Eu). Static magnetic fields of 300 Oe and 600 Oe can be used. The spectrometers work both in the Mössbauer mode as well as in pulse amplitude mode, for a proper selection of the involved range of gamma ray energies.