4. Cold molecules......2 lectures (1hr 30m each)

Speakers: Prof. S. A. Rangwala (RRI)

(b) Experimental

Formation of ultra-cold molecules from atoms Photo-association Raman Processes Feshbach resonance mediated Cold molecules from hot molecule sources Trapping of cold and ultra-cold molecules (principles and techniques) Manipulation of molecules Cold trapped molecules Cooling trapped molecules Creation of the ro-vibronic ground state molecules The physics with cold molecules