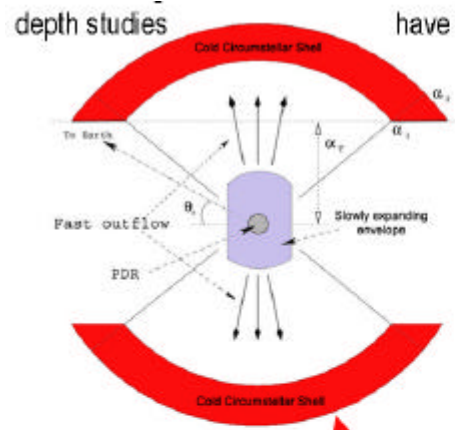


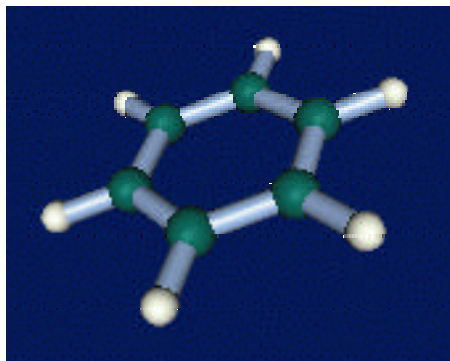
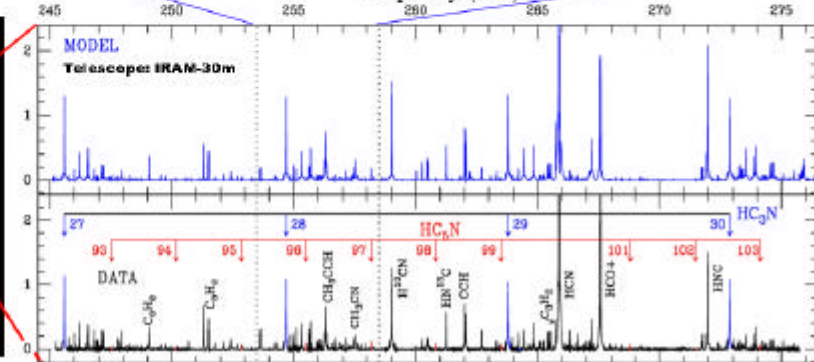
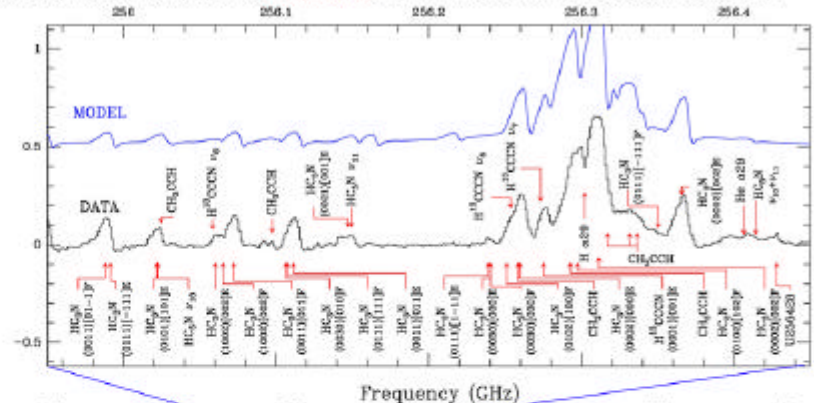
OT-KP: LINE SURVEYS IN EVOLVED STARS

- The AGB to PN transition provides some of the more efficient laboratories in space. In particular there is formation of carbon clusters, PAH's, etc...
- Line surveys provide the most complete chemical and physical picture of the objects.
- By a proper selection of O-rich and C-rich sources in different stages of evolution, a chemical picture of the AGB to PN evolution can be obtained.

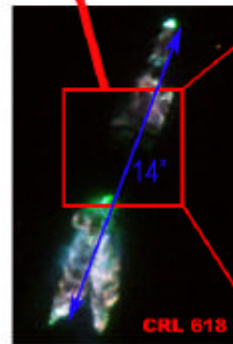
•Spectacular progress in recent years in lab. work and theoretical calculations allows a nearly complete analysis of surveys that typically contain thousands of lines.



depth studies have been conducted on several objects included in this proposal from available data, such as the model of CRL 618 at millimeterwaves presented below.



covers and evolved stars that this OT program a full census of SiO , CH^+ , CH , CH_2 , ..., metal hydrides will have SiS , NH , NH_2 , the newly explo-



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