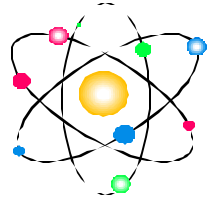




# *The Friday Thing*



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## The Glass Transition In Cyclic Polystyrene

A focus of our group's research is the study of mobility in polymeric materials. For macromolecules like polystyrene, which consist of identical monomer segments connected together to form a long-chain molecule, one can differentiate between phenomena requiring mobility on a molecular length scale (like the formation of a hole in a membrane) and those requiring mobility on a segmental length scale (such as the transition from a glass to a rubbery melt). In this talk, I'll briefly describe some of our research group's attempts to characterize these different types of mobility in thin polymer films. In particular, I'll discuss my attempts to study the difference in mobility between linear molecules (single chains with two free ends) and ring-shaped molecules (single chains with no free ends).

Date: Friday, March 2, 2001

Place: MacNaughton 222

Time: 12:30 p.m.

**Cookies will be served. Don't forget to bring your lunch.**

