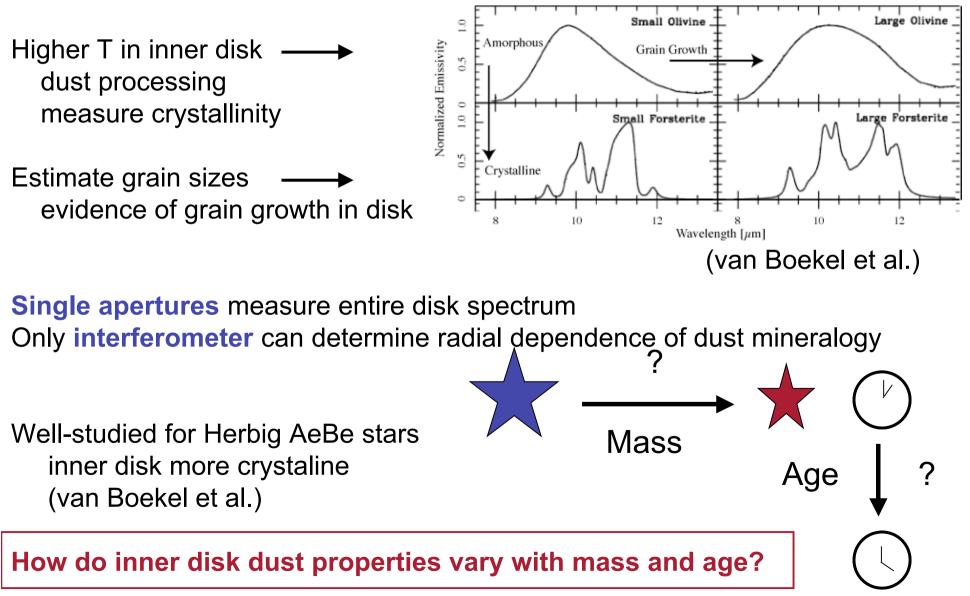
# **Scientific Background**

#### Mid-IR spectra characterize dust properties in the disk



## **Scientific Background**

#### IR interferometry probes the inner edge of disks

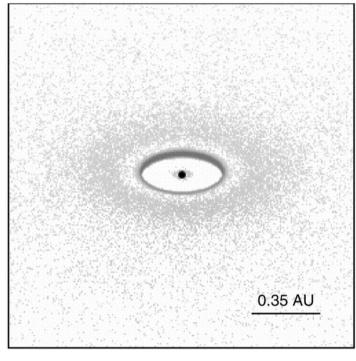
Different models predict different sizes and geometries

Single telescope measures SED and has indirect evidence for a disk

Single baseline measures inner sizes

With **multiple baselines** it is possible to investigate asymetries

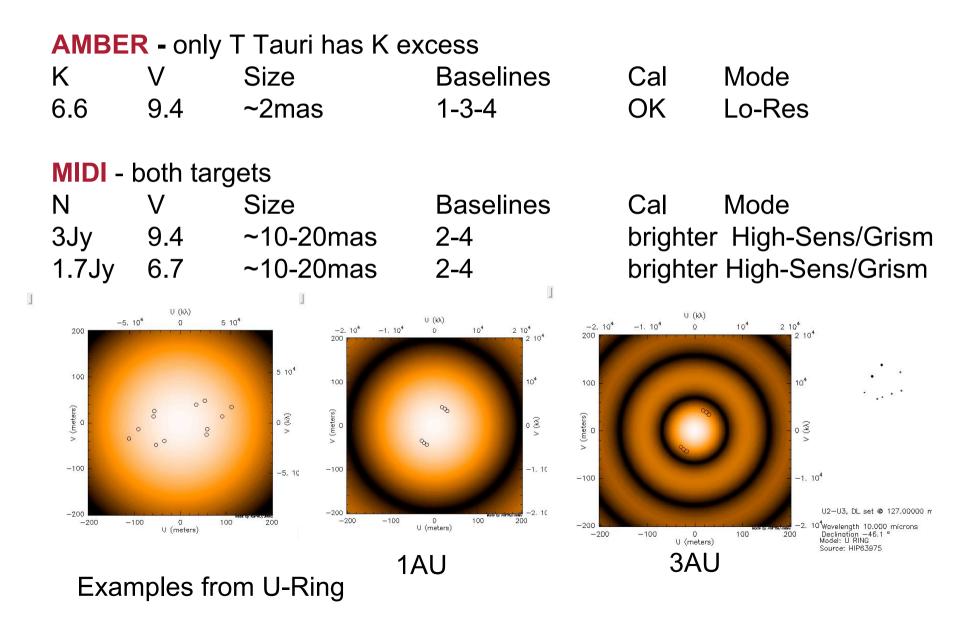
What is the geometry of the inner disk?

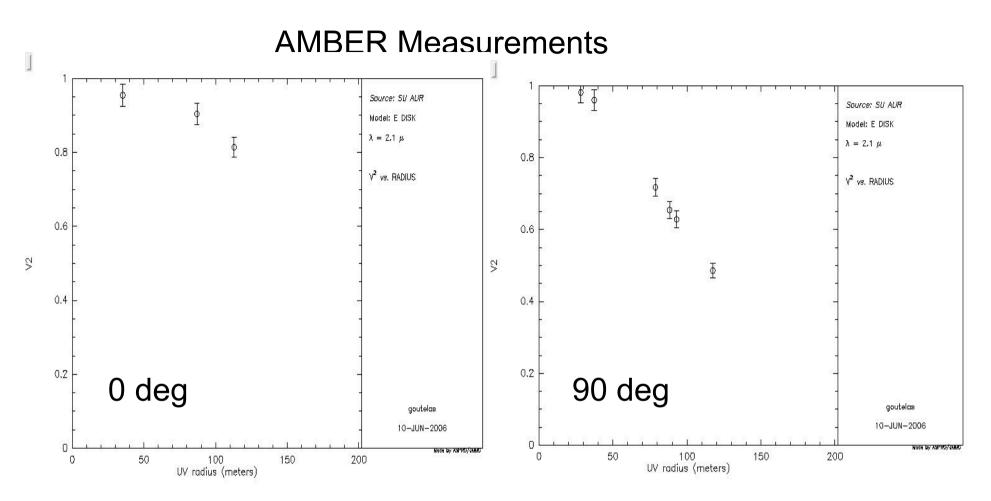


(Akeson et al.)

### **Targets and Instrument**

Intermediate Mass T Tauri star (~2Myr) and Older association star (~10Myr)

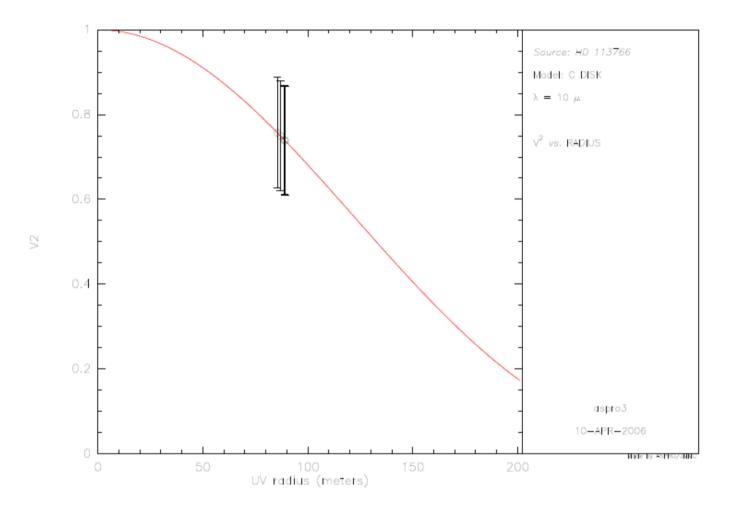




Need 2 hours for enough uv-coverage

Measurements distinguish the orientation of the disk If phase closure measurements available, measure the brightness difference (Monnier talk) Compare with model predictions

## **MIDI** Measurements



Measurements sensitive to inner disk Compare spectra to Spitzer outer disk properties Baseline choice crucial to match size of disk