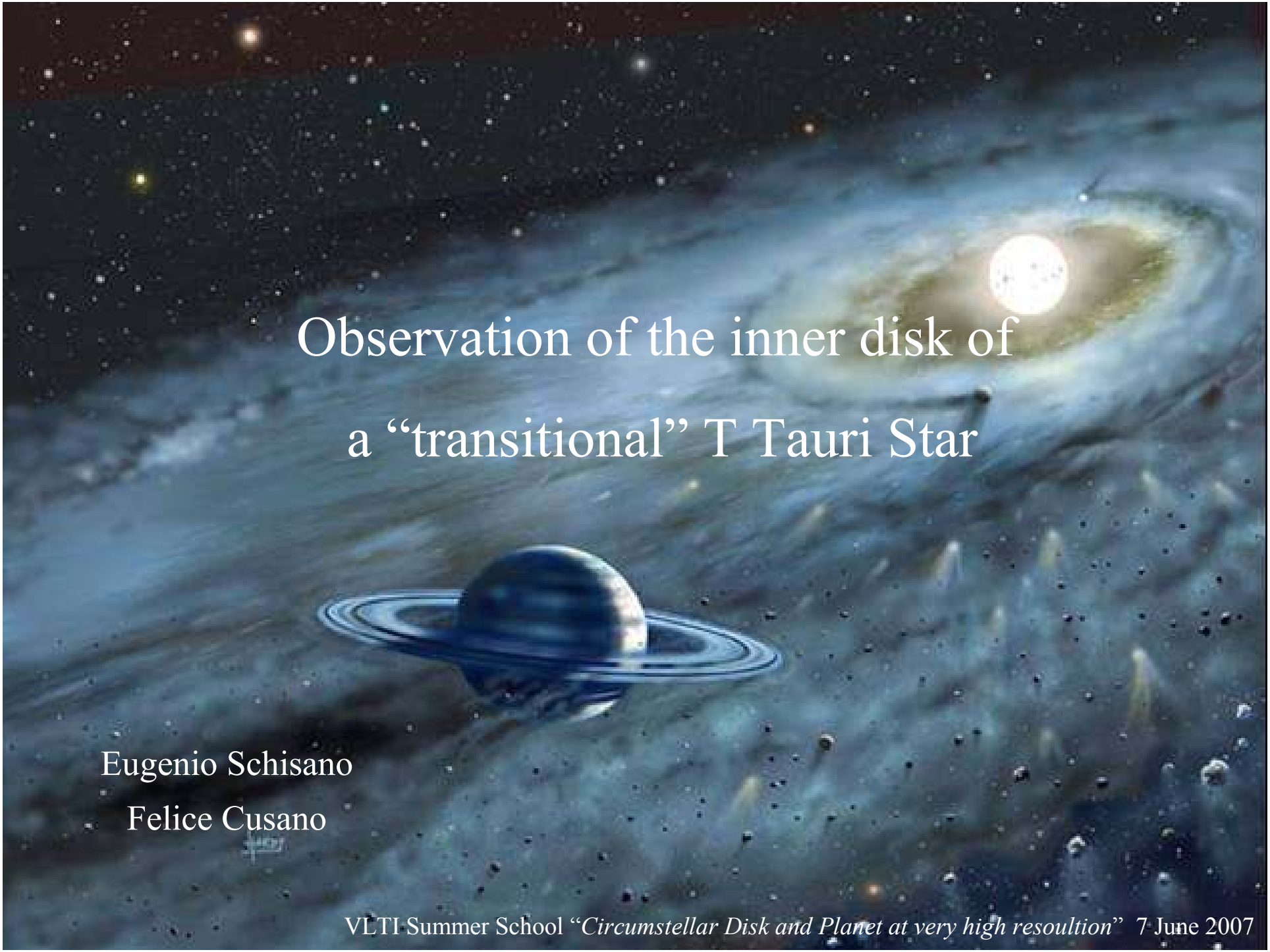


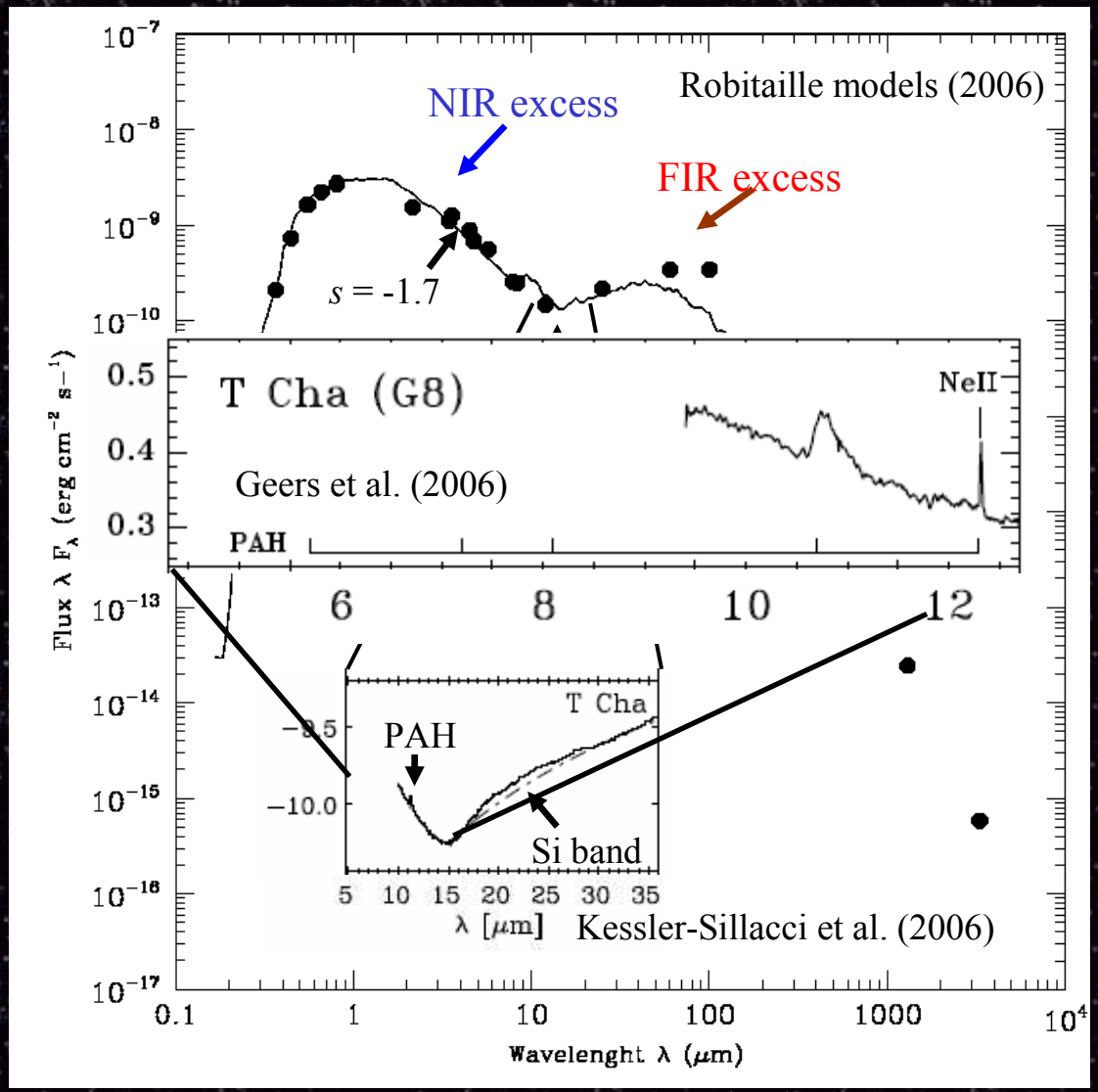
Observation of the inner disk of a "transitional" T Tauri Star

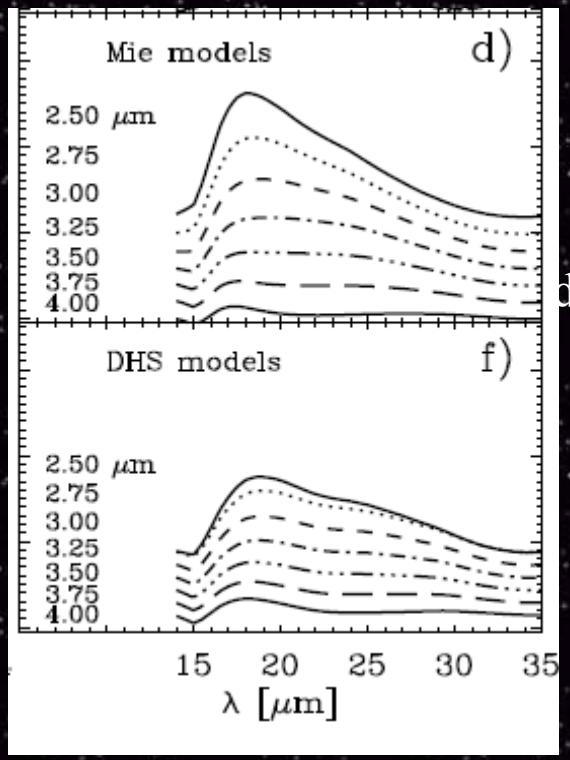
Eugenio Schisano
Felice Cusano

VLTI Summer School "*Circumstellar Disk and Planet at very high resoultion*" 7 June 2007

Quid - Cur

Schisano et al. in prep





data)

No veiling

EW Hα var range 0.5 - -30 A

[OI] Forbidden lines present

Class II/III Object!

Probing the inner part of the disk with AMBER:

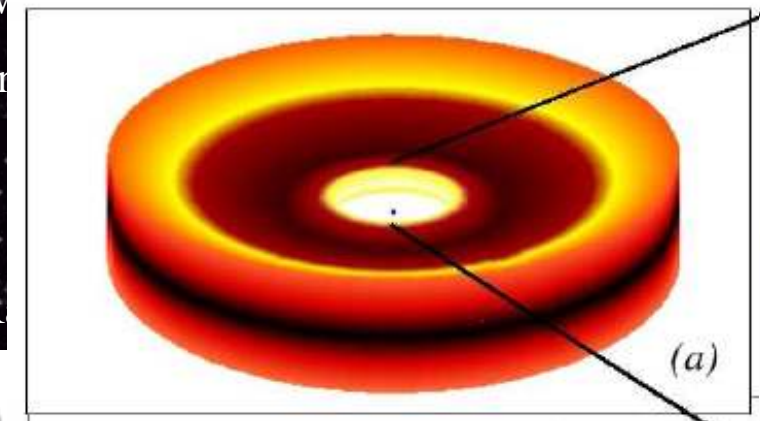
Disk w

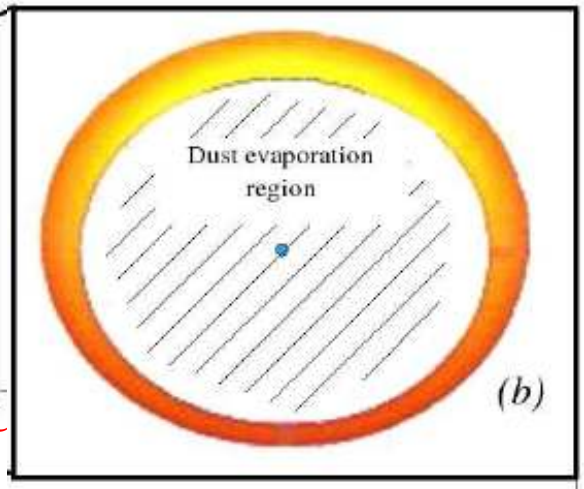
Var

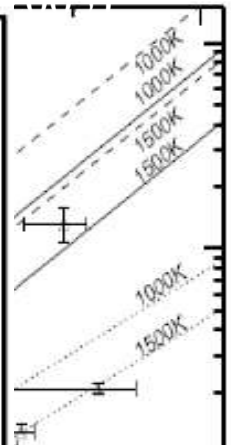
Inner R

$R_{evp}[A$ $\left(\frac{T_{evp}}{}\right)$ $\sqrt{L_\odot}$ $($

$\epsilon = \kappa_P(T_{evp})/\kappa_P(T_\star)$







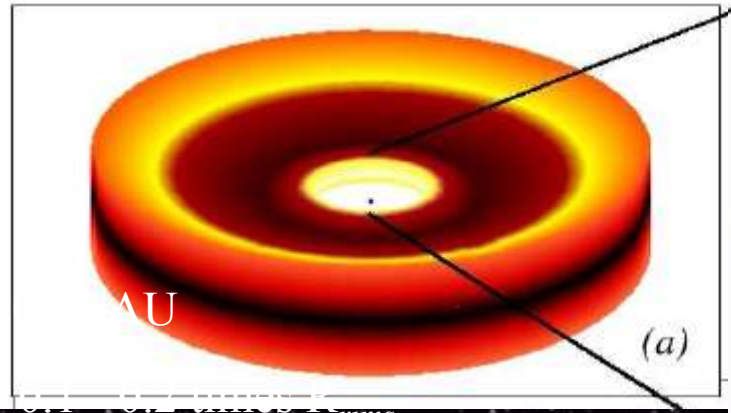
High I

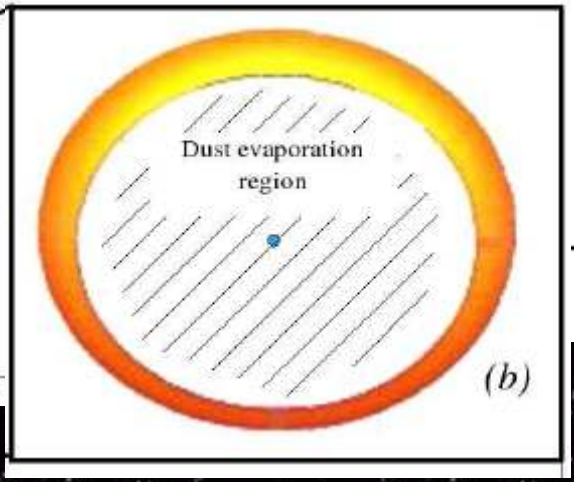
At

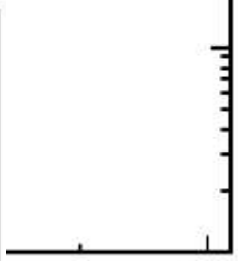
Fro

R_{rims} = AU

H_{rims} ~ [illegible] R_{rims}



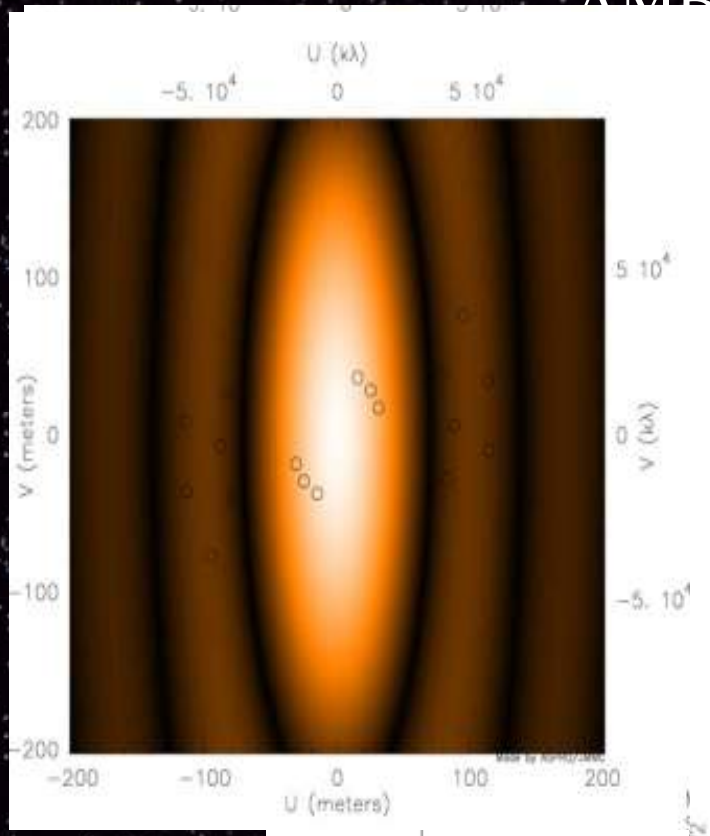


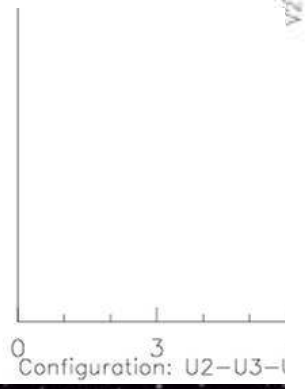


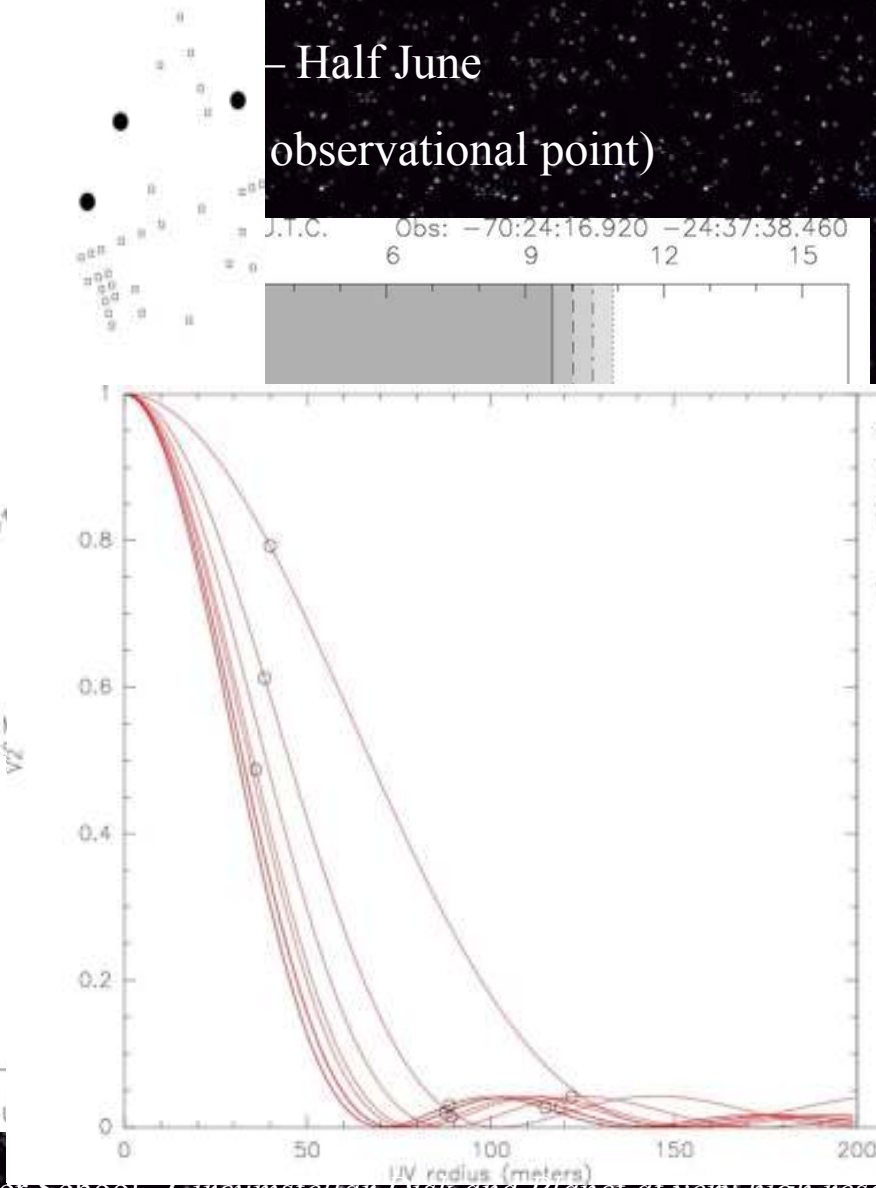
AMBER OBSERVATIONS

– Half June

observational point)







Future Works in this direction

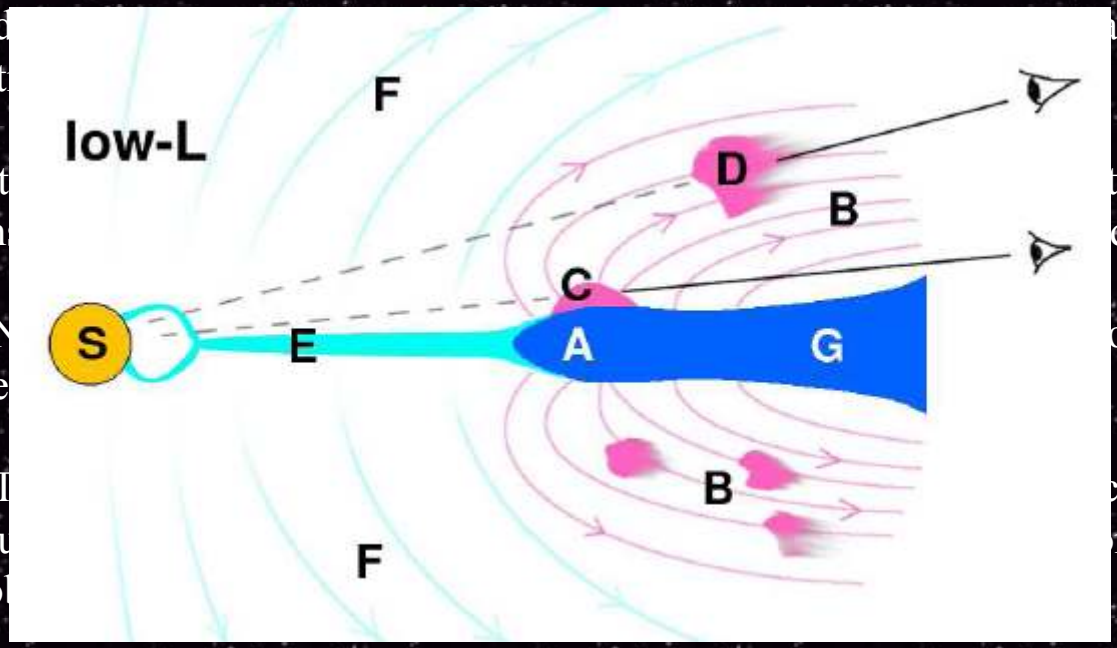
1) We need a better model of the inner part of the disk.

Rad nd grain size
dist

Wit t will
con de).

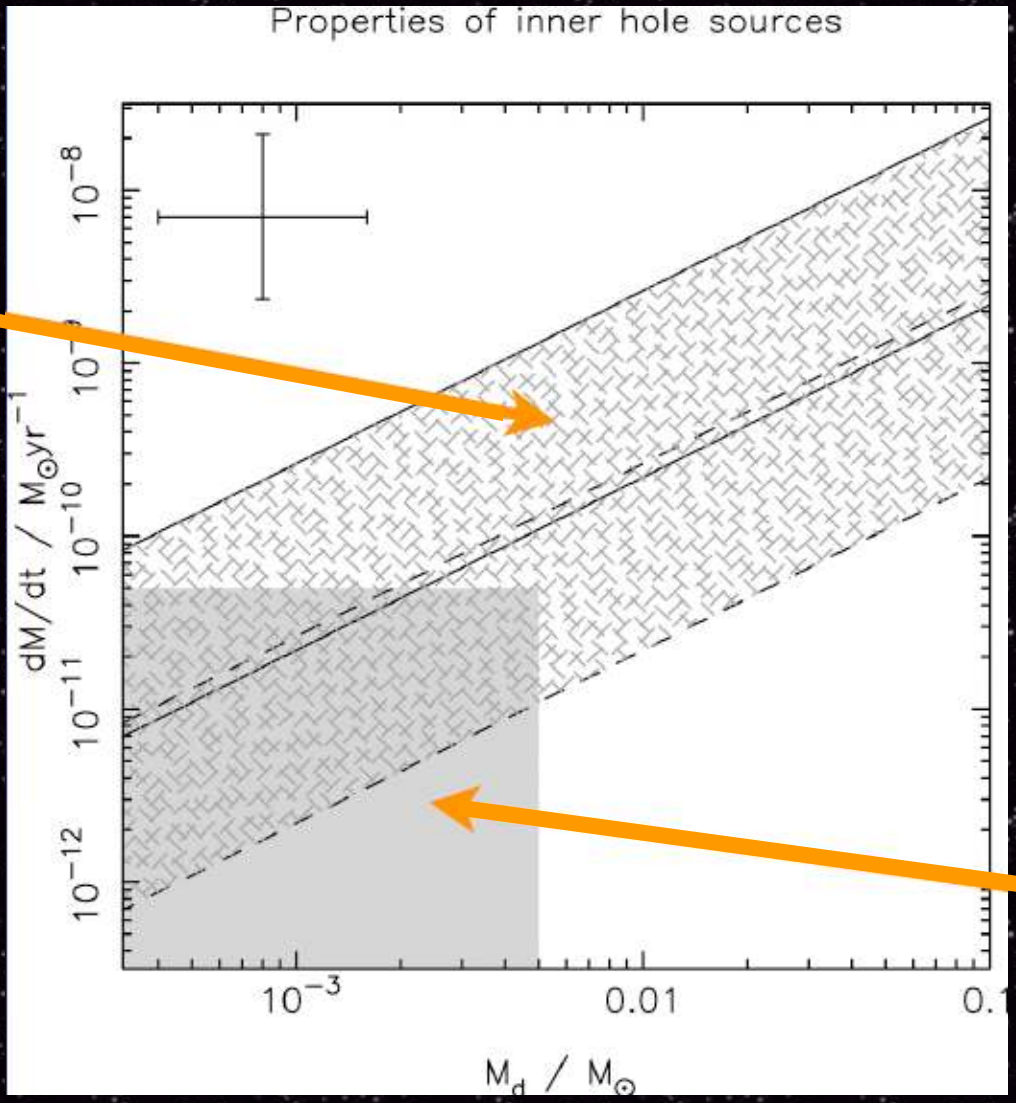
2) N o from the
inte

3) T cate that dust
clou n zone.
Pro



4) With improvement of MIDI it will be possible also a study of the different population of grain in the inner region with radius.

Embedded planets



Photoevaporation