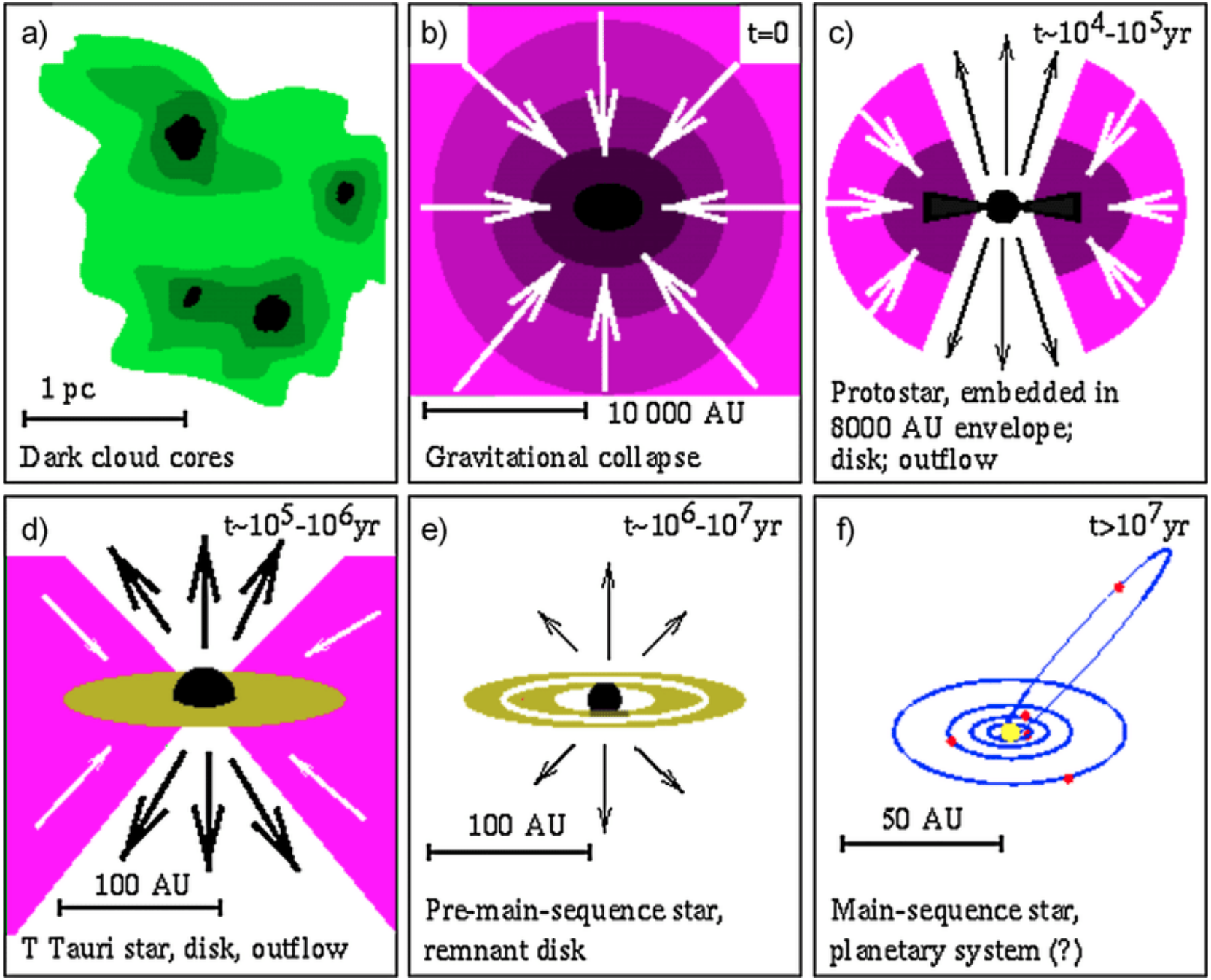
Star formation

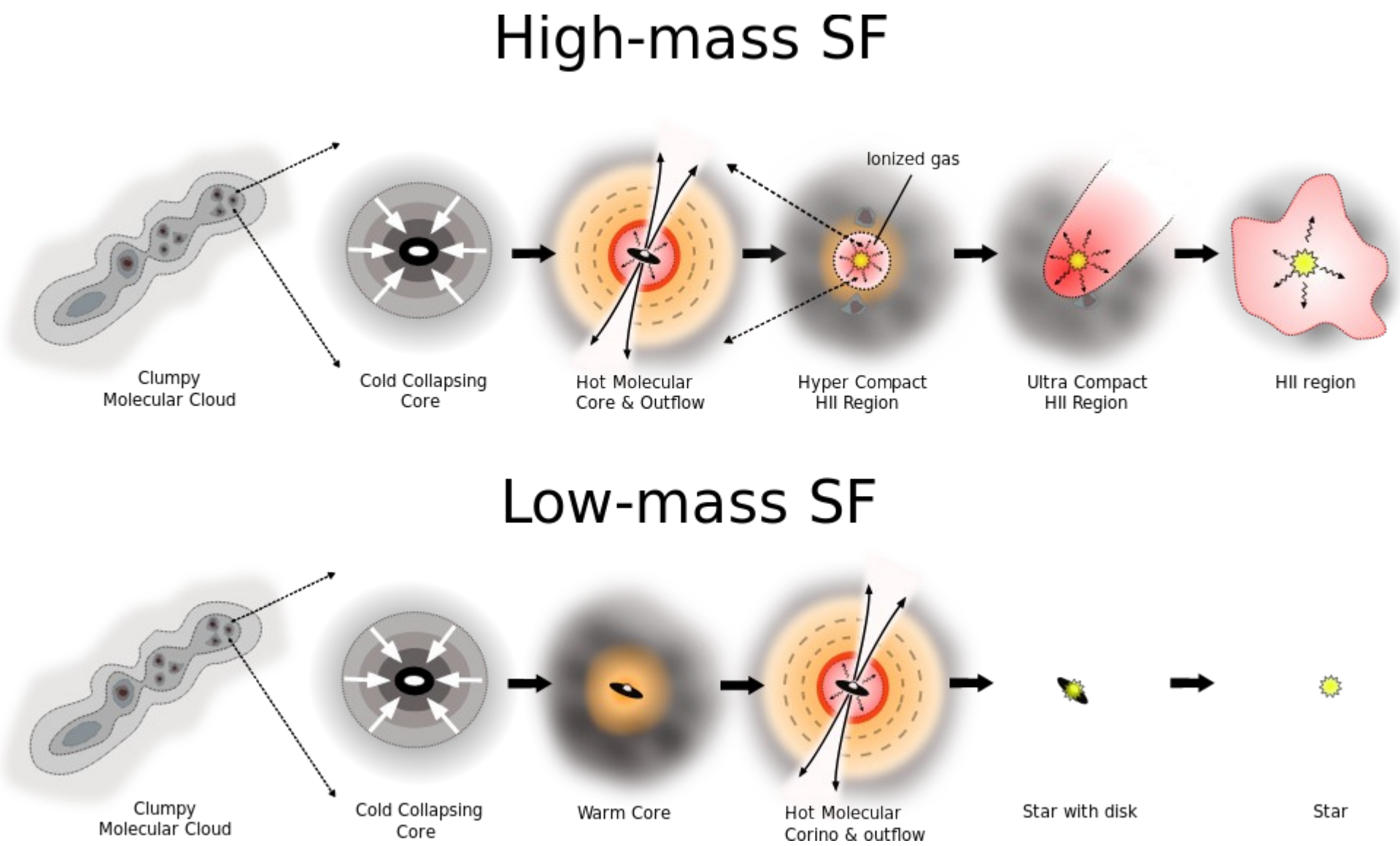
Planets are thought of as a natural byproduct of star formation.

Star formation



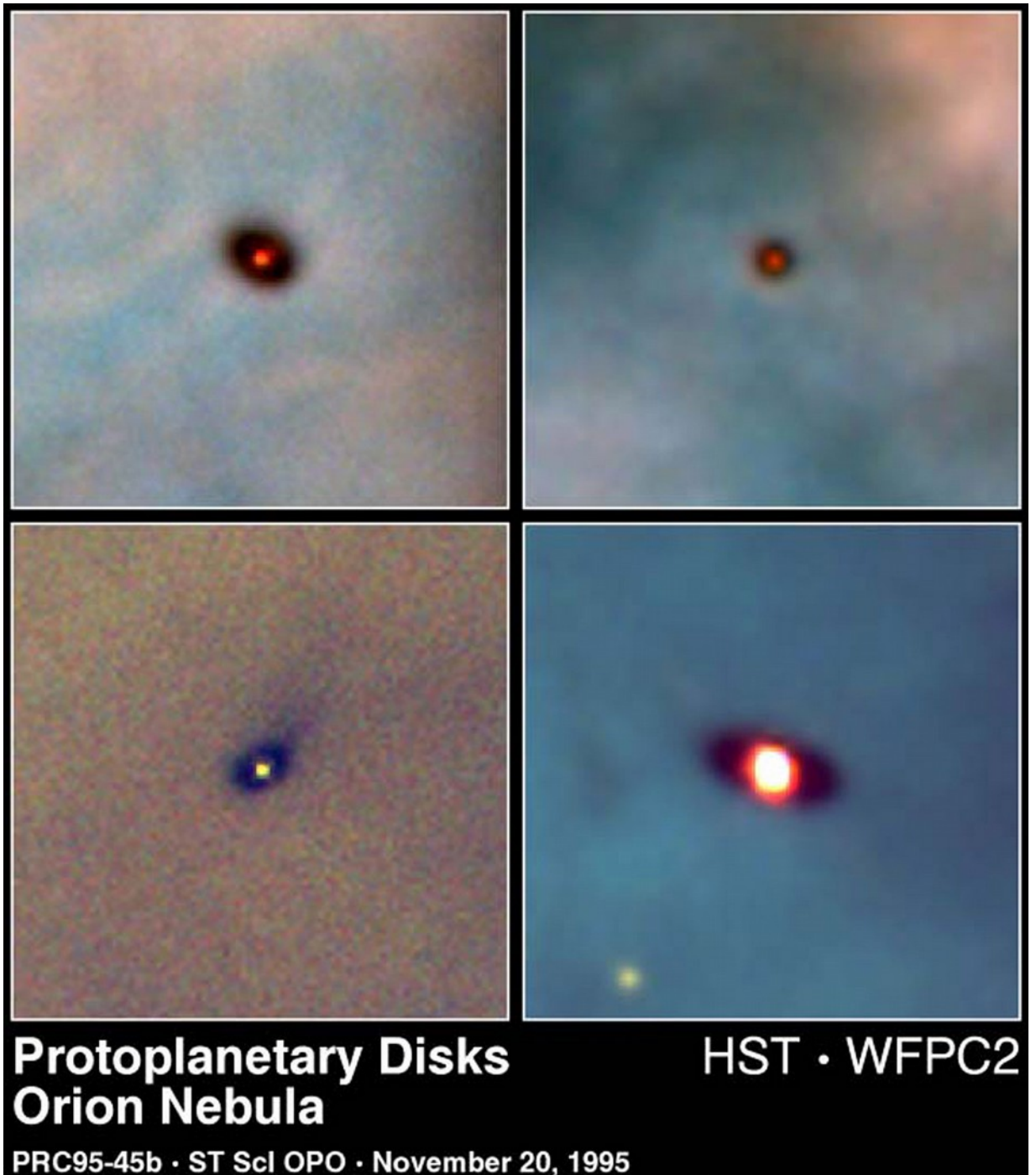
Hogerheijde 1998, after Shu 1987.

Star formation

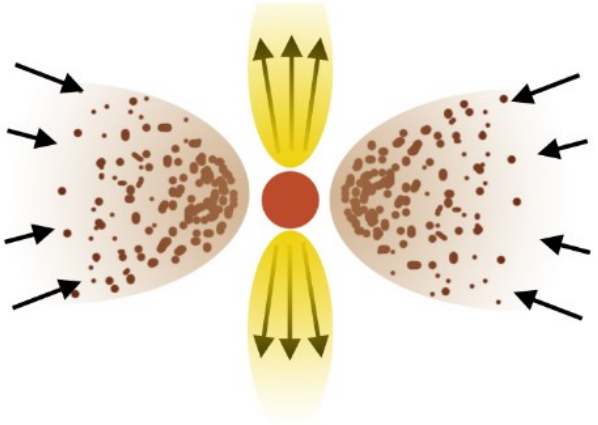


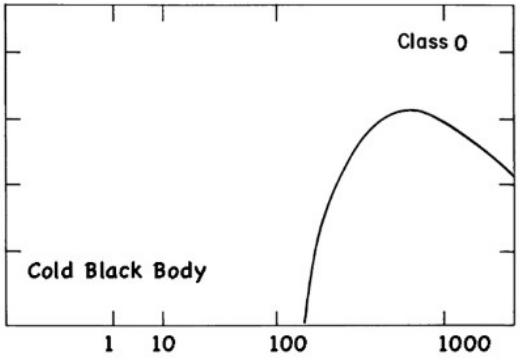
A. Ginsburg, after C. Prucell.

Disks: Gas & dust with Hubble

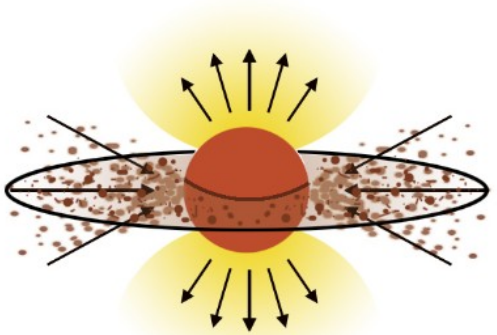


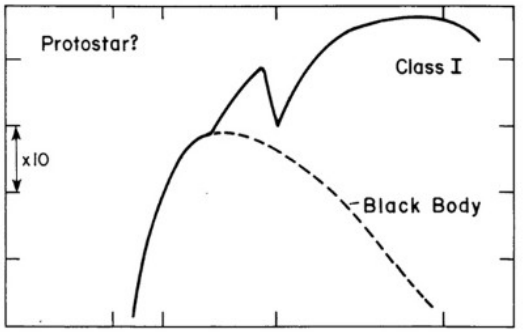
Class 0:
Main Acceleration phase?
Age≤10^5 years
M~0.5 $M_\odot$



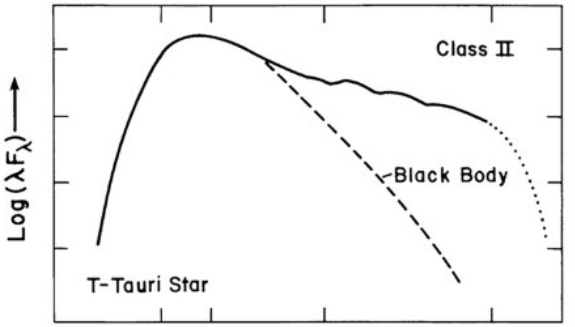


Class I:
Late accretion phase?
Age~10^5 years
M~0.1 $M_\odot$

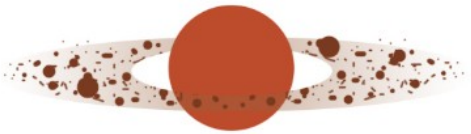


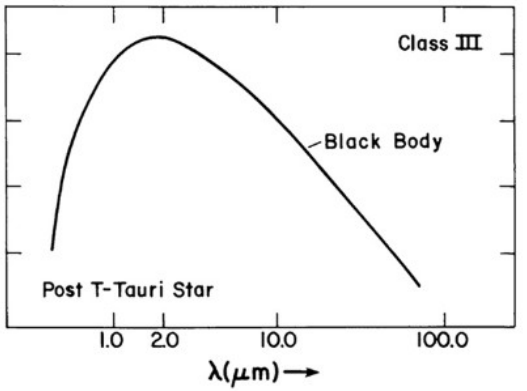


Class II:
Optically thick disk
Age≤10^6 years
<M_{disk}>~0.01 $M_\odot$



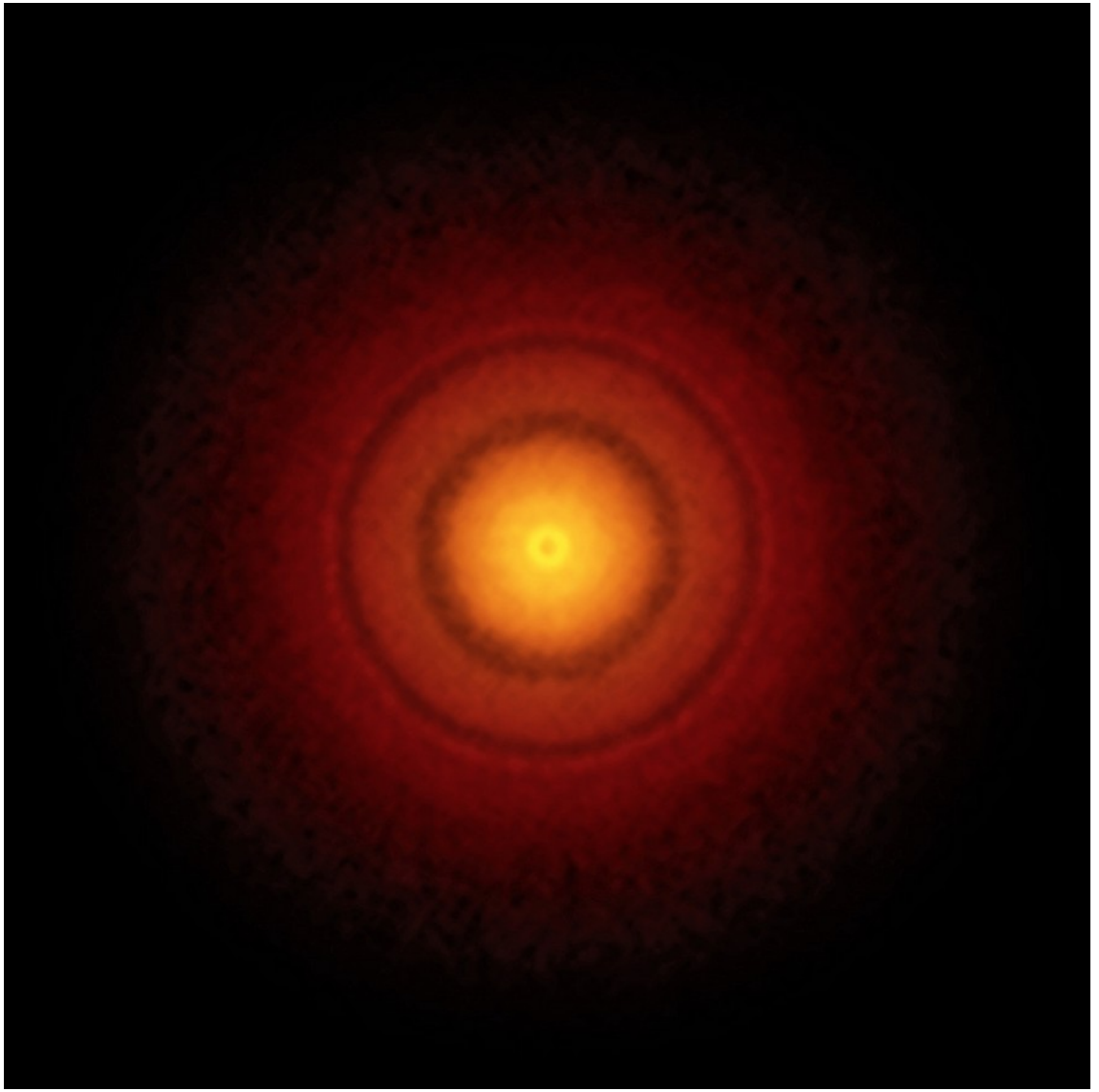
ClassIII:
Optically thin disk
Age≥10^6 years
<M_{disk}>~0.003 $M_\odot$
Planetary System





Günthner 2009

Disks: Dust with ALMA



Disks: Dust with ALMA