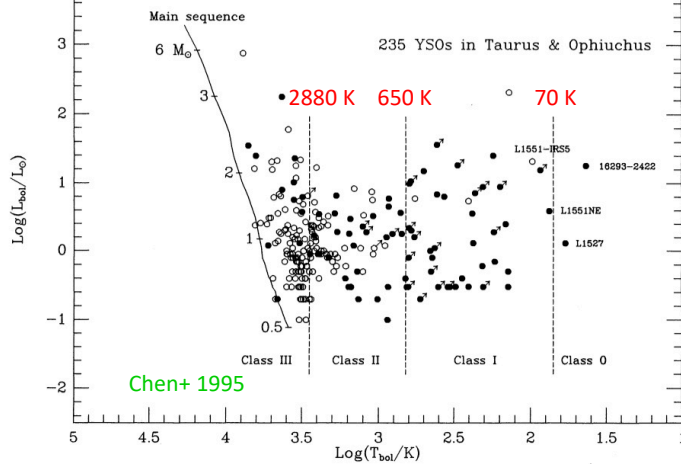


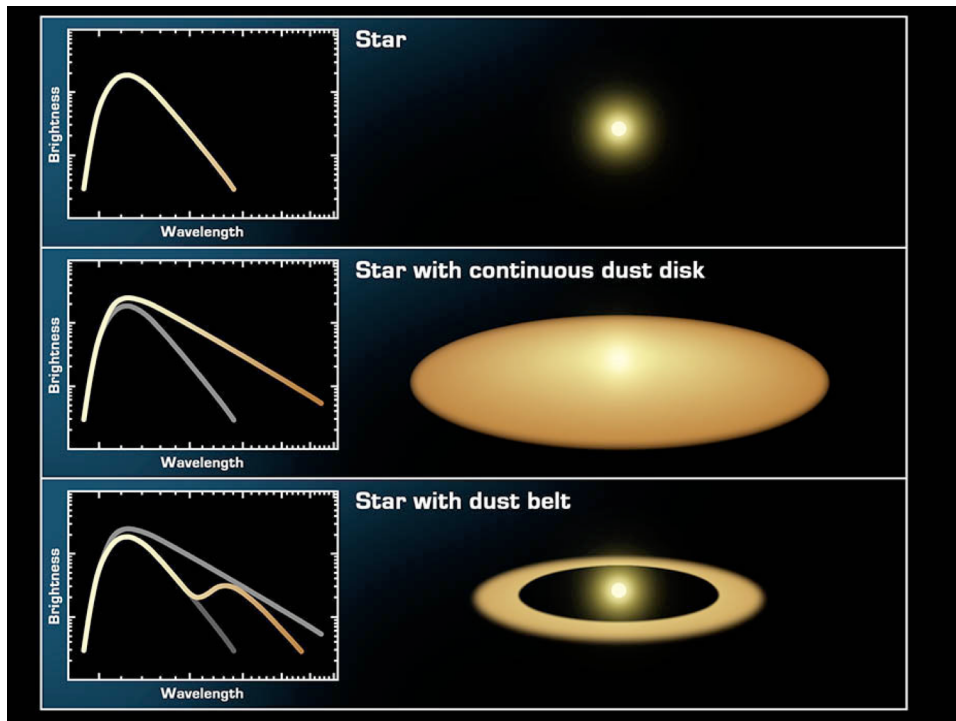
T_{bol} = Bolometric Temperature

$$T_{bol} = \frac{\zeta(4)}{4\zeta(5)} \frac{h\langle\nu\rangle}{k} = 1.25 \times 10^{-11} \langle\nu\rangle \text{ K Hz}^{-1}$$

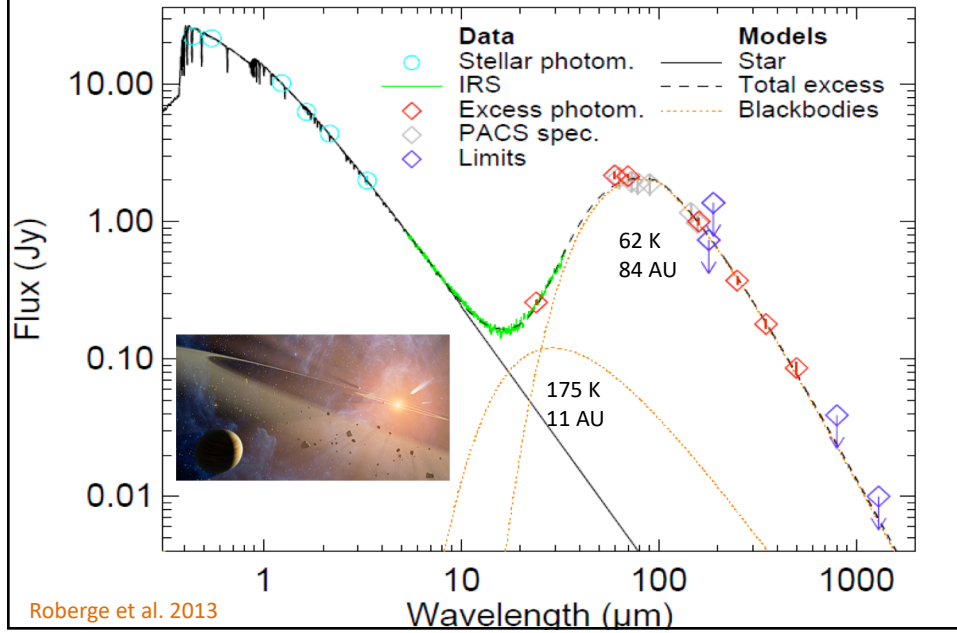
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—Bolometric luminosity-temperature diagrams of all 235 YSOs in the three regions. The open circles are the sources with a known spectral type, and the filled circles are the sources without a known spectral type. The solid line shows the zero-age main sequence for stellar mass of 0.4–6 M_{\odot} . Sources without peaks in ν are shown with the arrows. The dashed lines show the regimes approximately corresponding to the YSO spectral energy distribution classes 0, I, II,

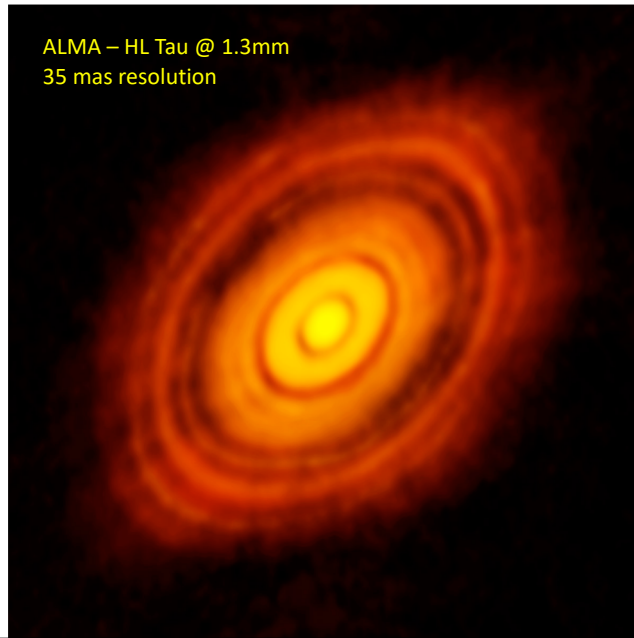


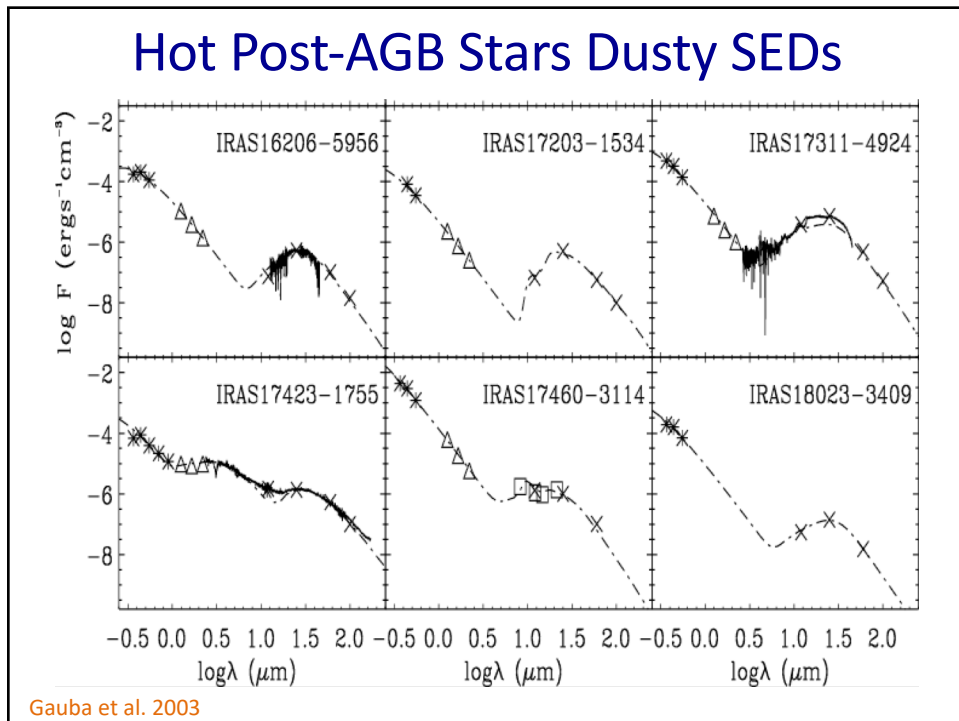
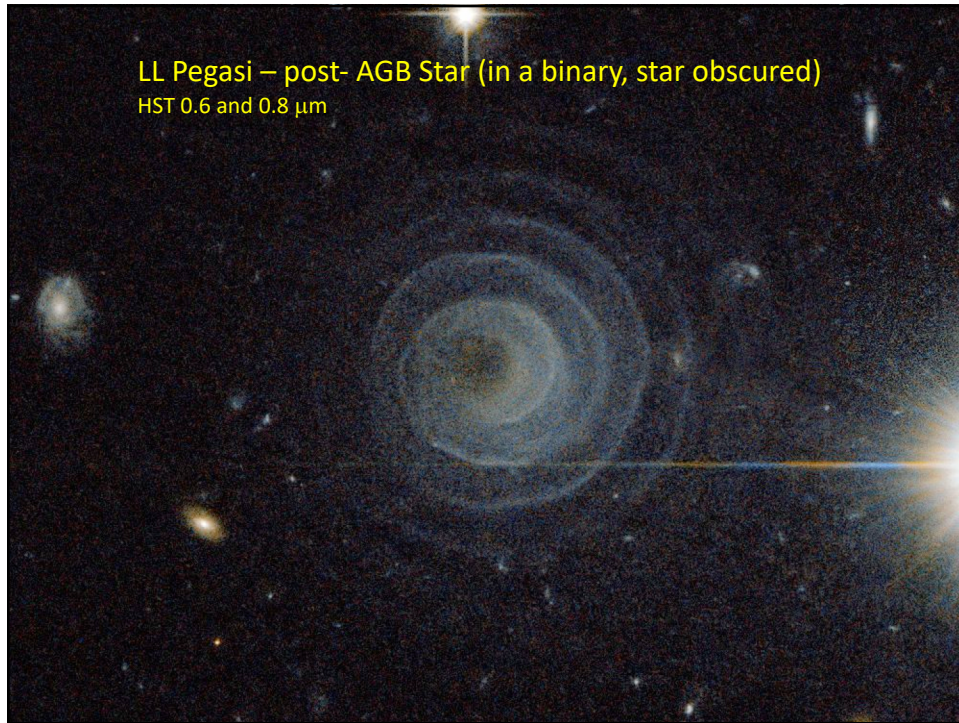
Debris Disk with 2 dust rings (49 Ceti)



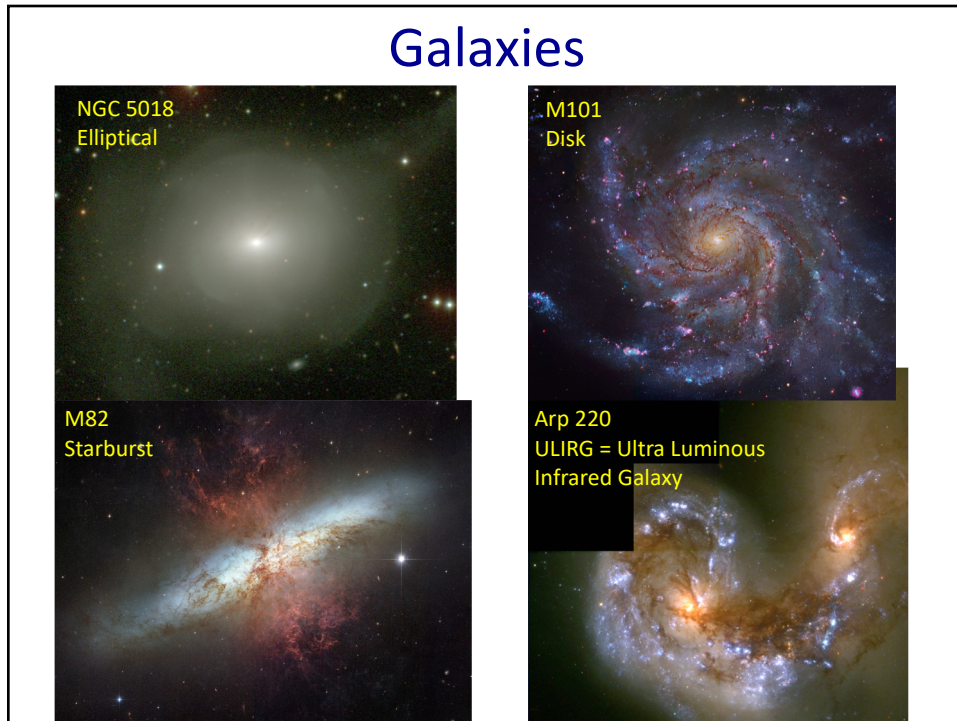
Planet Forming Dust Disks

ALMA – HL Tau @ 1.3mm
35 mas resolution





Galaxies



SEDs of Galaxies

