

Star Ages + CS Dust

The **NStars** Project will determine star ages and circumstellar dust density for stars within 25 pc, both critical information for targeting NASA Origins missions such as the Terrestrial Planet Finder (TPF).

The 1st panel to the right displays a histogram of ages of solar-type stars within 50 pc, estimated from chromospheric activity indices by Henry et al. (1996 A.J.).

The 2nd panel to the right shows spectral energy distributions of IR emission from model planetary systems versus age. The emitting dust is associated with remnant planetesimal belts analogous to our solar system's asteroid and Kuiper belts which evolve collisionally over 4.56 Gyr. The primary is assumed to be a G2V star at 30 pc.