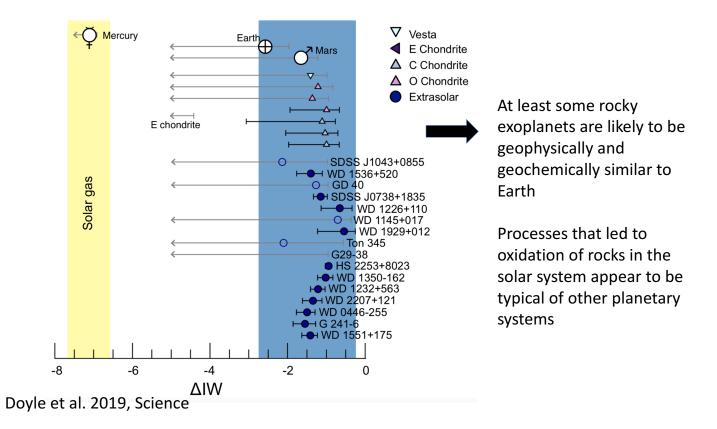
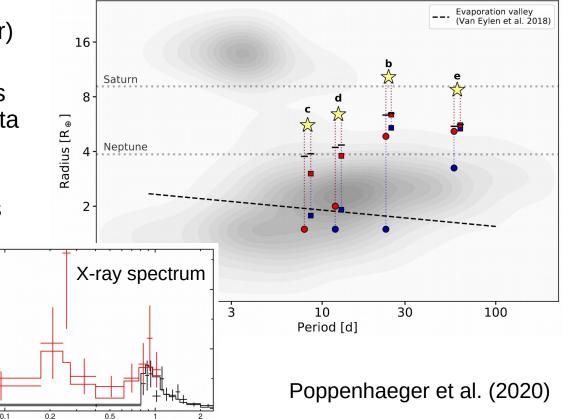
Probing Core-Compositions using WDs: Calculated oxygen fugacities for rocky extrasolar bodies



X-ray driven evaporation of the four young planets around V1298 Tau

0.2

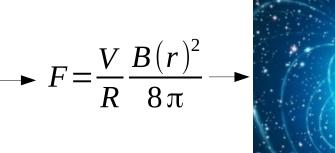
- V1298 Tau is a young sun (25 Myr) and has 4 transiting planets
- We have measured the host star's X-ray luminosity from Chandra data
- We extrapolate the stellar X-ray evolution and estimate the atmospheric evaporation of the planets under fast and slow stellar spin-down
- Fast vs. slow spin-down can make the difference between radius gap crossing or not!



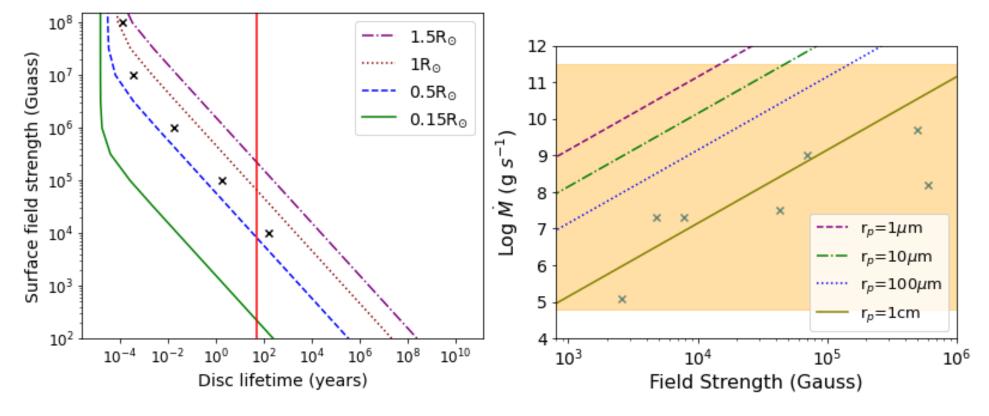
Levitating Frogs and Debris Discs

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Convective overshoot and macroscopic diffusion in pure-hydrogen-atmosphere white dwarfs

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