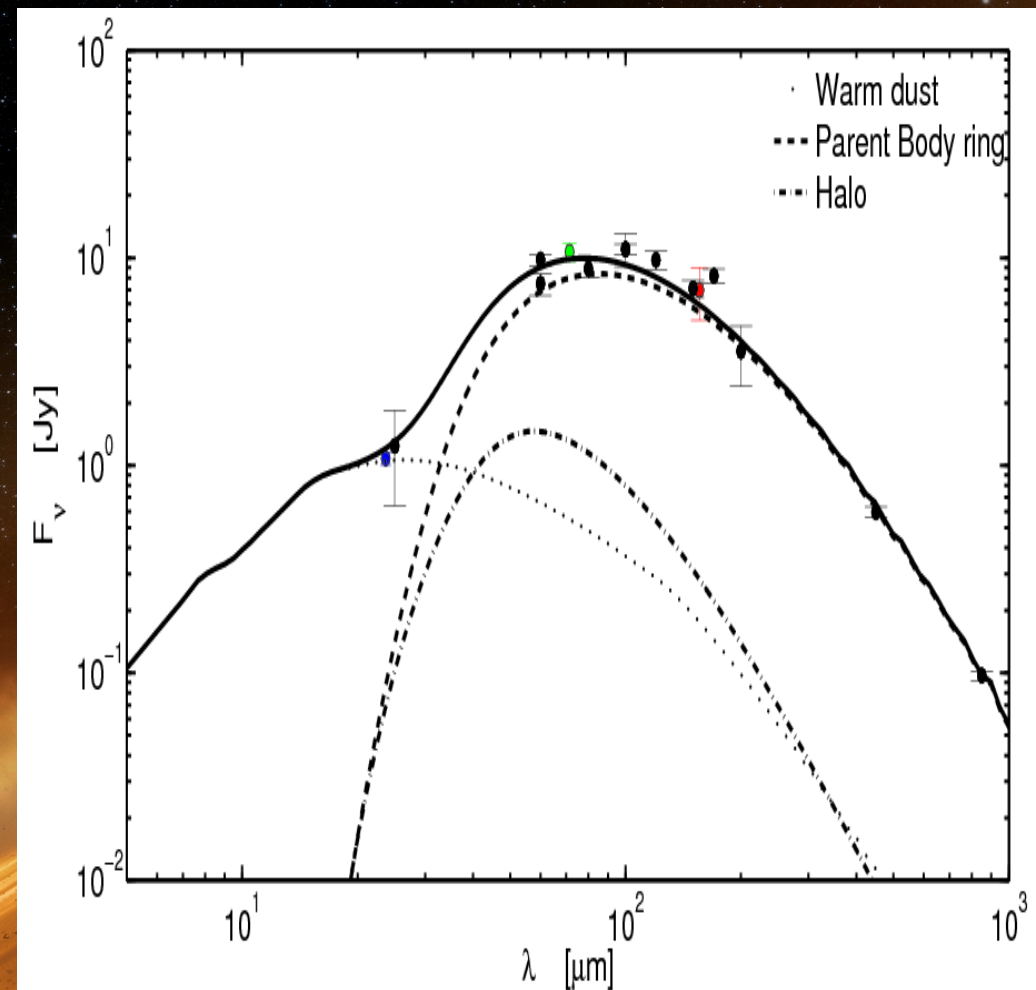


An Extended Halo in the Fomalhaut Debris System

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- We find that dust emission can be traced to ~ 800 AU from the star, suggesting the presence of an halo around the system.
- Surface brightness models show that the halo is as bright as 13% of the total emission at $70 \mu\text{m}$, and 6% at $24 \mu\text{m}$.
- SED models establish that the halo originates from small grains ($< 7 \mu\text{m}$), that are being ejected and/or on highly eccentric orbits due to radiation pressure.