Observability of Dusty Debris Disks around M-stars

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Debris Disks in Planetary Systems

(b) GJ 433, M2V, 9.1pc

Hypotheses

Hypothesis a)

- $R_{disk} = \text{const}$,
  $M_{disk} = \text{const}$
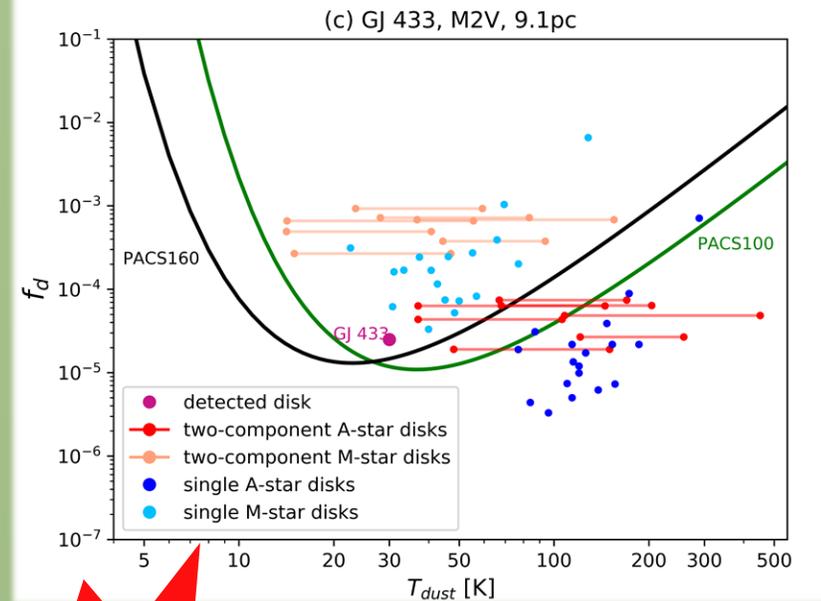
Hypothesis b)

- $R_{disk} = \text{const}$,
  $M_{disk} \propto M_*$ (Williams & Cieza 2011)

Hypothesis c)

- $R_{disk} \propto L_*^{0.19}$ (Matrà et al. 2018),
  $M_{disk} = \text{const}$

Hypothesis d)

- $R_{disk} \propto L_*^{0.19}$ (Matrà et al. 2018),
  $M_{disk} \propto M_*$ (Williams & Cieza 2011)

(c) GJ 433, M2V, 9.1pc

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