

st28gm06n052



**production of
spectra and images in various wavelength regimes is under way**

Conclusions and their future work

- Convection and pulsations emerge self-consistently in these 3D models
- It is remarkable that the $1.5 M_{\odot}$ CO5BOLD model does develop a gusty, inhomogeneous wind with a low mass-loss rate, in contrast to its wind-less DARWIN equivalent.
- The simulations show periods in good agreement with the observed P-L relation for Mira variables
- The sizes of the observed surface structures are in good agreement with observations
- The lower surface gravity in model **st28gm06n052**, results in a much more extended atmosphere, favoring efficient dust formation
- On going work to implement better optical properties and the **production of spectra and images in various wavelength regimes is under way**

Thanks four your attention