RGB and AGB stars (I)

- Wait for ALMA to derive the chemical composition of the photosphere (Menten)

- Spots towards the companion (Korhonenen)
  - Sign of chromospheric activity

- Molecular shell
  - Visibilities vs wavelength (Ohnaka & Karovicova) and models (Sacuto); very promising should be extended to larger samples
  - Thickness? Flux? Influenced by stellar pulsation. (Lacour and Hillen); Bengt: we should study it in non-Mira stars

RGB and AGB stars (II)

- S-type stars dust (crystalline)? But similar driving mechanism for O, S and C stars (Ramsted)
- Iron-free grains or large grains needed for mass-loss (Ramsted/Hoefner)
- C-star shells associated to thermal pulses, but sub-shells? (Maercker)

RGB and AGB stars (III)

- Comparison with stellar evolution models
  - Convection parameter is subsolar (Piau)
  - Spectro-interferometry to derive Teff, log g and mass; but no clear match with models! (Paladini)

- Morphology vs chemistry vs time ….
- AGB stars are extreme!