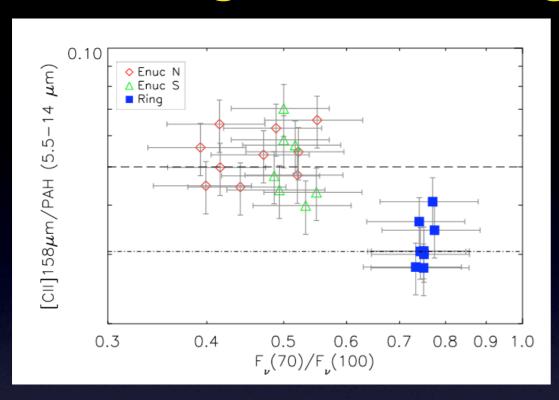
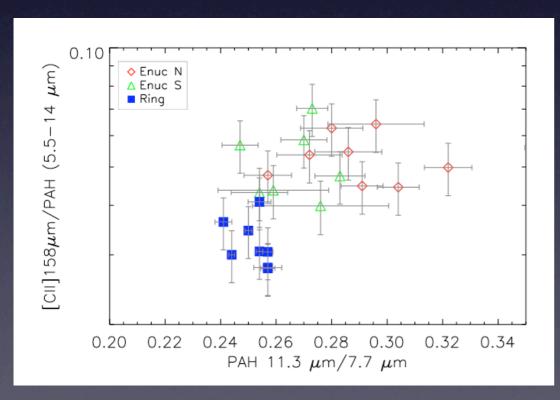
Heating and Cooling of the ISM in NGC 1097





- The observed [CII]/PAH is 2x lower in the starburst ring than in the spiral arms (enuc n and S).
- [CII]/PAH and II.3/7.7 are lower in the ring, but a clear correlation between [CII]/PAH and II.3/7.7 is not evident.
- After correcting for ionized [CII], the ([CII]+[OI])/PAH in PDRs is still I.6x higher at the end of the bar than in the ring.