



OPACOS: OVRO Post-AGB CO Survey

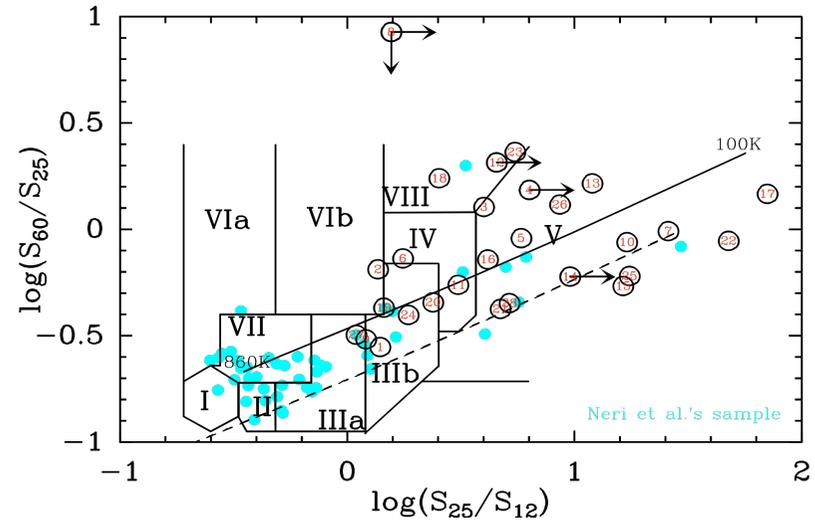


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Abstract

We have performed **interferometric observations** of the $^{12}\text{CO}(1-0)$ emission in a sample of 27 objects spanning different evolutionary stages from the late Asymptotic Giant Branch (**late-AGB**), through the pre-planetary nebula (**pPN**) phase, and to the Planetary Nebula (**PN**) stage. **Here, we present the data and main nebular properties derived** (Sánchez Contreras & Sahai, in prep). Observations were performed with the millimeter wavelength array of the Owens Valley Radio Observatory (OVRO). The angular resolution obtained in our survey ranges between $2.3''$ and $10.7''$. The $^{13}\text{CO}(1-0)$ and $\text{C}^{18}\text{O}(1-0)$ transitions as well as the 2.6mm continuum emission have been also observed in several objects. Our data have been used to derive accurate target coordinates, systemic velocities and to characterize the envelope morphology and kinematics.



IRAS 22568: pPN (yPN), B0, Unknown chem.

