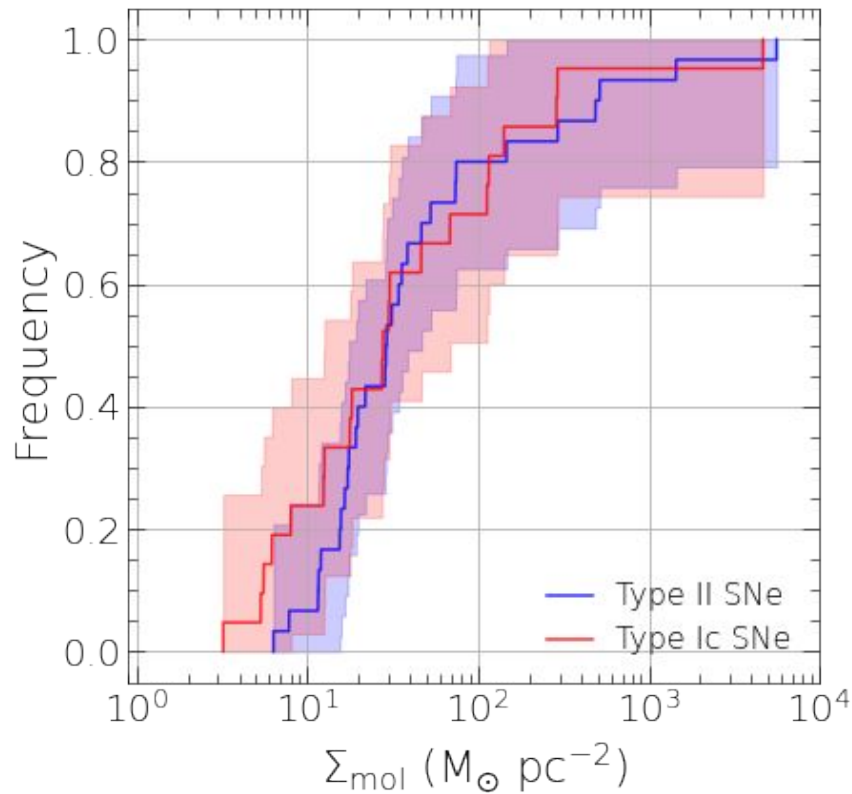




# Binary progenitor systems for Type Ic supernovae

Solar, M.,\* Michałowski, M. J., Nadolny, J., Galbany, L., Hjorth, J., Zapartas, E., Sollerman, J., Hunt, L., Kloze, S., Koprowski, M., Leśniewska, A., Małkowski, M., Nicuesa Guelbenzu, A. M., Ryzhov, O., Savaglio, S., Schady, P., Schulze, S., de Ugarte Postigo, A., Vergani, S. D., Watson, D., and Wróblewski, R.

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- **Data sample**

- ALMA CO(2-1)  $\rightarrow \sim 1''$  100 pc spatial resolution (molecular cloud scale)

- **Take-away**

- Similar  $\Sigma_{\text{mol}}$  values indicate that the molecular cloud parents are similar for both types of supernovae
- Similar  $\Sigma_{\text{mol}}$  locations suggest comparable supernova progenitor lifetimes and initial masses