

Poster: Tracing the flows that form molecular clouds

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Our understanding of the assembly of molecular clouds in the interstellar medium would be greatly improved if we could reliably study the properties of the larger-scale flows in which they are embedded. Unfortunately, this is not straightforward. Numerical simulations suggest that they are composed of a mixture of HI and H₂, but that the molecular gas is relatively diffuse and not traced well by CO. It is therefore necessary to search for alternative observational tracers of these flows. In this talk, I will report on the results of recent simulations of cloud assembly and what these models can teach us about how best to uncover the details of these larger-scale flows.

Molecular Clouds