

Invited: Connecting Scales in High-Mass Star and Cluster Formation

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A summary will be given of our efforts to map in great detail the gas and dust participating in star (cluster) formation from full GMCs (~ 100 pc) down to sub-core (0.001 pc) scales. For this, a combination of interferometric, ground-based single dish, and space-based observations is needed. Emphasis will be given in our results of Galactic regions that are forming massive star clusters, as well as their interpretation in terms of hydrodynamical simulations of collapsing GMCs. Recent results of radiative transfer modeling of intra-core multiplicity in massive star-forming systems will also be highlighted.

Clusters