

Young Stellar Objects in the Massive Protocluster NGC 6334 with JWST and ALMA

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NGC 6334 is one of the nearest and most active high-mass star-forming complexes in the Milky Way, providing an excellent laboratory for studying clustered star formation and early disk evolution in a massive protocluster environment. In this presentation, I will introduce our new JWST and ALMA observations toward the NGC 6334(I) and (I)N region, which combine sensitive infrared imaging with high-resolution millimeter continuum data. The JWST NIRCам and MIRI data reveal a rich population of young stellar objects, including embedded protostars and sources with infrared excesses; while the ALMA long baseline data traces more embedded disk-scale structures associated with ongoing star formation. Together, these observations provide a new view of how young stars and protostellar disks emerge in a dense, clustered environment.