

Abstract Submitted  
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**JVLA Observations of Massive Protostars** VIVIANA ROSERO, PETER HOFNER, New Mexico Tech — Massive stars play a key role in the structure and evolution of galaxies since they dominate the nature of the interstellar medium. However, the mechanism of formation for massive stars is not well known to date due to their location in complicated cluster environments, large distances and high obscuration. One of the key questions of modern astronomy is if there is any link between low mass and high-mass star formation. We want to investigate the type of emission of these objects and the ejection and the accretion phenomena. We are working on a JVLA high resolution and high sensitivity survey of  $\sim 60$  cold molecular cores and hot molecular cores which are the earliest stage of massive star formation. In this work, I will present preliminary results from the survey and some detail examples.

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