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TITLE: The C₂H₄O Isomeric Triplet in Orion KL

ABSTRACT BODY:

Abstract Body: The formation mechanisms of interstellar molecules, particularly those of potential biological importance, are of great interests. Comparisons between isomeric species may provide crucial insights to how different functional groups get (re)organized and how complex organics are assembled in the interstellar environment. (Sub)Millimeter interferometric imaging of molecular emission is best suited for probing such chemical differentiation among the families of isomeric species. We present in this talk results from an ALMA imaging experiment aiming at the C₂H₄O triplet toward Orion KL.

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