

Abstract Submitted
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IRAS 01202+6133 : A Possible Case of Protostellar Collapse Triggered by a Small HII Region SUNG-JU KANG, CHARLES KERTON, Iowa State University — The molecular gas surrounding an HII region is thought to be a place where star formation can be induced. This poster will present an analysis of submm spectroscopic observations of the submm/infrared source IRAS 01202+6133 located on the periphery of the HII region KR 120. $\text{HCO}^+(\text{J}=3-2)$ spectra of this source show a classic asymmetric profile indicative of infall motions that would be expected to occur in the envelope surrounding a young protostellar object. Applying simple analytic models to these profiles we derive physical properties of the infall kinematics and the envelope structure.

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