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Abstract Information  
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Title:  
Accretion Shock in Protostellar Disk

Type:  
Poster

Authors:  
T. Velusamy, W.D. Langer, P.G. Goldsmith

Abstract:  
Recently Velusamy, Langer & Goldsmith (ApJL 565, L43, 2002) reported the first observational evidence supporting the presence of an accretion shock in a protostellar disk. This result was obtained from the spatially resolved methanol emission in the 5,0 -4,0 (A) transition at 1 mm in the Class 0 protostellar object L1157. The structure and kinematics of the methanol emission indicated that the gas is tracing a warm layer in the infall-disk interface, consistent with an accretion shock. In this paper we present new OVRO 1mm observations of the continuum disk and the accretion shock.

Note that the organizing committee reserves the right to reassign oral and poster contributions.

If you have any questions you can contact Kathy English by phone at (520) 318-8135 or email at kenglish@noao.edu.