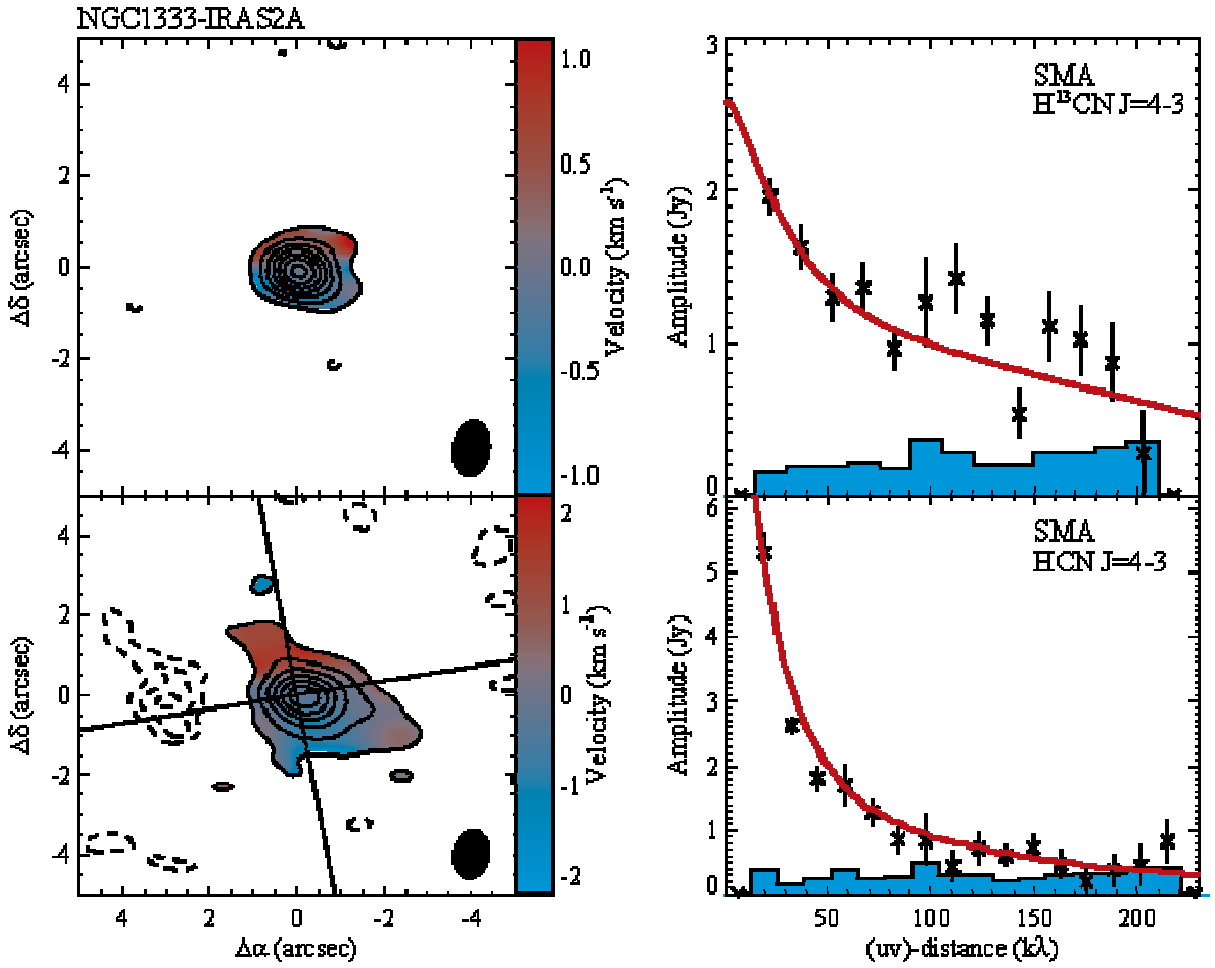
Astronomy & Astrophysics

HIGHLIGHTS: this week in A&A

Volume 502-1 (July IV 2009)



In section 6. Interstellar and circumstellar matter

"The kinematics of NGC1333-IRAS2A – a true Class 0 protostar", by C. Brinch, J. K. Jorgensen, and M. R. Hogerheijde, A&A 502, p. 199

The distribution of angular momentum in a protostellar envelope is of fundamental importance for the formation of both a young star as well as the eventual formation of a disk around that star. This is most easily examined in a so-called "Class 0" object, where the envelope mass is greater than or comparable with the mass of the central star. The study by Brinch et al. of the Class 0 source NGC1333-IRAS2A highlighted in this issue, brings this discussion a step forward by demonstrating that although an embryo disk appears to be present, most matter in the envelope is infalling with little evidence of rotation.