

Questions and Answers

The Formation of Stars and Planetary Systems, 2010, September 6-9, Särö, Sweden

Section & Talk by Lars Kristensen

Name/Question Matthijs van der Wiel

When you derive water abundance from absorption depths, how sensitive is the result on assumed temperature?

Name/Answer Lars Kristensen

The abundance is not ^{very} sensitive to the temperature, since we, in principle, determine a column density of absorbing material. From dust continuum modelling we know the H_2 column density, and from that we derive the abundance.

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Section & Talk by L. Kristensen

Name/Question P. Caselli

Are the C^{18}O line centroid velocities and widths coincident with the narrow H_2O absorption profiles observed toward YSOs?

Name/Answer Lars Kristensen

Yes, the locations are coincident to within 0.1-0.2 km/s. The width of the absorption feature is slightly higher, but since they ^{features} are saturated, it is hard to measure accurately.