

Questions and Answers

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

Section & Talk by M. Henneemann

Name/Question Nana Calvet

How is accretion included in the Theoretical evolutionary Tracks? is it spherical? is there a disk included.

Name/Answer M. Henneemann

The evolution of the accretion rate is an exponential*, but there is no physical model of the accretion process included.

* function of time

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Name/Question P. Persi

Have you tried to build the
color-color diagram using MIPS images at
24 μm and PRCS colors?

Name/Answer M. Henneemann

This has not been attempted for the Rosette protostars.

Thomas Henning:

We tried this, but the FIR colours are very similar for such
sources. Then the 24 μm flux decides on the position in such
a diagram alone.

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What is the positional accuracy in
extracting sources from PACS images?

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An upper limit is ~~the~~ approx. half the beam size: $\sim 3''$.

Thomas Henning: The pointing accuracy is $\approx 2''$.

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Name/Question F. Heitsch

How do the Herschel sensitivity limits affect the source counts when comparing Spitzer 24 μ m and Herschel "class 0" counts?

Name/Answer M. Henneemann

The source counts that have been evaluated show that $\sim 2/3$ of the Spitzer 24 μ m sources "Class 0/I" are visible at 70 μ m with Herschel. The Herschel maps are less sensitive, but also a number of the sources might be more evolved than expected. These two effects have to be constrained in further work.

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Name/Question F. Heitsch

Regarding triggered SF in Rosette (2nd to last slide):

What is the ~~spread~~ spread in ages (or "evolution") in the source population?

What would be the resulting propagation speed of a "triggering wave" be?

Name/Answer M. Henneemann

A first estimate for the lifetimes of the prestellar cores is 8×10^4 yr.

This can be seen as a lower limit on the age spread.

The propagation speed has not been estimated.

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Section & Talk by *Schneider talk - session 1*

Name/Question *From Sarah Maddison*

For James - derivative of what?

*For Martin - don't really see trend in
T+column & that would suggest gradient
for triggered SF.*

Name/Answer.....

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Section & Talk by M. Henneken

Name/Question Ch. Beethman

For the class of candidates from
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