

Questions and Answers

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

Section & Talk by J. Borwman

Name/Question..... A. CARMONA

- 1) In the models used for fitting the 10 μ m feature, it is assumed a particular radii, or are they calculated with a disk model?

Name/Answer..... J. Borwman

We assume a temperature distribution that follows a ~~tempera~~ power law distribution. The min/max temperature and slope are fitted together with the grain size and composition. See Juhasz et al 2009 for details and Juhasz et al 2010 for an application of the method.

Questions and Answers

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

Section & Talk by J. Bowman

Name/Question R. Lidean

Name/Answer

Questions and Answers

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

Section & Talk by J. Berwman

Name/Question..... N. Calvet

Can Herschel help to identify the nature of the C-based compound responsible for the continuum opacity at $\sim 1 \mu$?

Name/Answer..... J. Berwman

Detection of Carbon dust is difficult at any wavelength. The best chance one has if the C-dust would contain aromatic or aliphatic structures which do show spectral features, possibly also at PACS wavelengths. The only other way of "identifying" C-dust is ~~only~~ by a need of an additional opacity source not provided by silicate and ice dust grains.

Ämne: Q&A's on Thr's session

Från: Bruno Merin <Bruno.Merin@sciops.esa.int>

Datum: Fri, 10 Sep 2010 11:31:59 +0200

Till: René Liseau <rene.liseau@chalmers.se>

Dear René,

Thanks for the organization of such an interesting meeting. I had a lot of fun.

Here below I send you the Questions & Answers from Thursday's session. (I had to run to the airport just after you gave me the papers).

Cheers,
Bruno

Question 1 to Amaya Moro-Martín: You predict the presence of dust spikes at certain resonant orbits in debris disks with planets, is there a prediction of which contrast is needed in the PACS images in order to be able to detect them?

Answer 1: We usually go the other way around: if there is a warm or an asymmetry we try to fit it with some models.

Question 2 to Bart Vandenbussche: You report the detection of [OI] and [CII] lines in Beta Pictoris. Is there any other one?

Answer 2: It is too early to assess that but we are working on it.

=====
This message and any attachments are intended for the use of the addressee or addressees only.

The unauthorised disclosure, use, dissemination or copying (either in whole or in part) of its content is prohibited.

If you received this message in error, please delete it from your system and notify the sender.

E-mails can be altered and their integrity cannot be guaranteed.

ESA shall not be liable for any e-mail if modified.

=====