Asteroids and Satellites splinter

Chairs: Pete Hargrave & Tanya Lim

Objectives

- Observational data – review status of observations on sources listed below
- To compare the observations with available models
- To assess the status of currently available models on the sources listed below
- To review the assumptions going into the models
- To review planned / required observations
    - Prior to Herschel (ground-based, Blast, Spitzer, Astro-F)
    - Herschel in-operation

Sources

Asteroids

Sources listed as "main / other" are so-called based on the fidelity of the currently existing thermo-physical models. All the asteroid sources listed below are of great potential utility for SPIRE, PACS & HIFI (Ceres is likely to be the primary asteroid flux calibrator for HIFI).

- Main
    - Ceres
    - Pallas
    - Vesta
    - Hygiea
- Others
    - Juno
    - Cybele
    - Herculina
    - Other others……..

Satellites

- Gallilean satellites – These will be useful for all three Herschel instruments, particularly Callisto & Ganymede
- Titan – Useful for HIFI

TNOs

- Pluto / Charon system– This may be a useful potential calibration source for SPIRE & PACS if observations can tie it to the primary calibrators
- Others?

Splinter 2: Asteroids & satellites – revised program

09.00 – 09.15	**Introduction - P. Hargrave**
09.15 – 09.55	**Spitzer and asteroids as calibrators – B. Bhattacharya**
09.55 – 10.35	**Establishment of asteroidal calibrators for FIR & Sub-mm observations – T. Ootsubo**
10.35 – 10.50	**Coffee**
10.50 – 11.30	**Satellites as calibrators and models – R. Moreno**
11.30 – 12.10	**The asteroid preparatory program for Herschel, Astro-F & ALMA**
12.10 – 13.00	**General discussion**
13.00 – 14.00	**Lunch**