

Evolution of Protoplanetary and Planetary Disks

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i) From Primordial to Debris Disks

Objective:

- *Dust /gas evolution for a sample of PMS and Vega type stars.*

Herschel Observations:

- ✓ **DUST:**
 - PACS 70, 100, 170 μm + SPIRE 250, 360, 520 μm
- ✓ **GAS:**
 - HIFI: [CI] 11 370,610 μm
[CII] 1 158 μm
 - PACS [OI] 11 63,146 μm

ii) Edgeworth-Kuiper belt Structures

Objective :

- *Detection of EK-belt structures around nearby main-sequence FGK stars*

Herschel Observations:

- PACS 70, 100, 170 μm +
- SPIRE 250, 360, 520 μm