

*Workshop*

***Stellar End Products: The Low Mass - High Mass Connection***

*ESO Garching, 6-10 July, 2015*

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**Title:**

The variable mass-loss history of AGB stars -- a far-IR view on detached shells

**Abstract:**

Based on observations with Herschel/PACS we investigate the surroundings of evolved AGB stars, which show evidence for a history of highly variable mass-loss. We observe the dust counterparts of known detached CO shells as well as previously unknown structures. Using a 1D radiative transfer code we model the dust in the circumstellar envelope and constrain crucial parameters. We discuss the major uncertainties, such as the influence of dust grain geometry and opacities. Further, physically more comprehensive modelling adopting a stationary wind scenario and the COMA code is presented.