Workshop

Stellar End Products: The Low Mass - High Mass Connection

ESO Garching, 6-10 July, 2015

Tomasino, Rachael L.

Title:
Geometric Analysis of the Dusty Mass Loss from Low - to Intermediate Mass Stars

Abstract:
The work presented here focuses on the characterization of the geometric properties of the circumstellar dust shells. This is achieved by subtracting the aligned, scaled template PSF image from the image of the circumstellar shell. By subtracting the PSF, we are able to uncover the circumstellar dust distribution undisturbed by the presence of the still bright central star, which will allow better characterization of the mass-loss history. By assessing the mass-loss history for individual sources, we aim to establish general trends in the mass-loss history for AGB stars.