

Workshop

Stellar End Products: The Low Mass - High Mass Connection

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Title:

Circumstellar Masers in the Magellanic Clouds

Abstract:

The LMC and SMC, at about one half and one fifth solar metallicity respectively, give us excellent nearby environments where we can test the dependence of mass loss on the metallicity and luminosity of AGB and RSG stars. We will present the results of recent searches for OH/IR stars in the Magellanic Clouds by the Australia Telescope Compact Array and Parkes Telescope. From detections we can derive mass loss rates, which can then be used to test and refine dust-driven wind theory and allow us to better understand the contribution of these stars to the ISM and the regeneration of the universe.