

Workshop

Stellar End Products: The Low Mass - High Mass Connection

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Title:

VLT/AMBER studies of the extended atmospheres of AGB and RSG stars

Abstract:

We present VLT/AMBER studies of the extended molecular atmospheres of AGB and RSG stars. Observationally, both types of stars show similar atmospheric extensions. Comparisons to theoretical pulsating model atmospheres and to 3D convection simulations show that both types of models can equally well explain the extensions of AGB stars, while neither of them can currently explain the extensions of RSG stars.