

Workshop

Stellar End Products: The Low Mass - High Mass Connection

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Title:

From nuclei to dust grains: How the AGB machinery works

Abstract:

With their circumstellar envelopes AGB stars are marvelous laboratories to test our knowledge of microphysics (opacities, equation of state), macrophysics (convection, rotation, stellar pulsations, magnetic fields) and nucleosynthesis (nuclear burnings, neutron capture processes, molecules and dust formation). Unfortunately, due to the completely different environments those processes occur, the interplay between stellar interiors (dominated by mixing events like convection and dredge-up episodes) and stellar winds (characterized by dust formation and wind acceleration) is often ignored.