

Workshop

Stellar End Products: The Low Mass - High Mass Connection

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Title:

The s-process in post-AGB stars in the Galaxy and Magellanic Clouds

Abstract:

The AGB nucleosynthesis and associated third dredge-up make low-to intermediate-mass stars important contributors to the cosmic abundances of C, N and elements past the iron peak. Post-AGB stars are ideal probes of the AGB nucleosynthesis. We will report on our detailed abundance analyses of a large sample of post-AGB stars in both the Magellanic Clouds and the Galaxy. We discovered some of the most enriched objects known to date. We will discuss our results and focus on the large discrepancies between the model predictions and our determined C, O and especially lead (Pb) abundances.