

Workshop

Stellar End Products: The Low Mass - High Mass Connection

ESO Garching, 6-10 July, 2015

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Title:

How to Make and Break Dust Around Metal-Poor Stars

Abstract:

In this review, I will summarise the differences between dust formation around metal-poor and solar metallicity stars. I will reflect on how this affects the chemistry and observations of their host populations. I will highlight the current problems the field faces, and possible solutions to them, looking forward to the JWST/ALMA era and beyond. Finally, I will discuss what happens to dust from such stars, how it is affected by the environment these stars are in, with implications for metal-poor and high-redshift galaxies.