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Type: Review Talk

Dust production in low- and intermediate-mass stars

Monday 11 June 2018 14:00 (45 minutes)

Stars in their late stages of evolution are generally considered to be major sources of interstellar dust. However, there is a long standing debate over the relative contributions by massive stars (both before and after they explode as supernovae), compared to low- and intermediate-mass stars, which expel a significant fraction of their total mass in stellar winds during the cool giant phase. In this talk I will focus on the latter process, discussing state-of-the-art models of dust-driven winds and, in particular, results regarding dust production.

Consider for a poster?

Presenter: Prof. HÖFNER, Susanne (Uppsala University)

Session Classification: Dust production in low mass stars

Track Classification: The creation and evolution of dust