

Title: AGB stars and their dust grains in the solar system

Abstract:

Presolar grains found in pristine meteorites are stellar relics that predate our solar system. They enable the study of bonafide stellar materials in the laboratory, where the full battery of modern micro-analytical techniques can be brought to bear on them. In this talk, I will present new NanoSIMS isotopic data of presolar SiC grains and discuss their stellar origins and ^{26}Al production in low-mass stars in the light of astronomical observations for carbon stars and stellar models.