

Workshop

Stellar End Products: The Low Mass - High Mass Connection

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Title:

Molecular line observations of planetary and protoplanetary nebulae:
Keplerian disks

Abstract:

Molecular lines probe most of the nebular material in late-AGB shells and young planetary nebulae (PNe), providing many basic results on this crucial evolutionary phase. Keplerian disks are thought to be one of the components of many of these objects and to play an important role in the shaping and dynamics of PNe, but their identification had been extremely elusive. Only very recently, detailed studies of Keplerian disks have been possible thanks to high-resolution mapping.

Relevant results obtained from molecular lines in young PNe are summarized, focusing on the study of rotating disks.