

From Interstellar Ices to PAHs

A symposium to honor Lou Allamandola's Contributions to the Molecular Universe
Annapolis, MD, USA - September 13th to September 17th, 2015

INVITED TALK

From PAHs to Carbonaceous Solids

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The talk will discuss the diversity of formation pathways of carbonaceous solids from gas-phase precursors, with a special emphasis on the role of PAHs. It will examine the potential of PAHs for being the carriers of the UV bump of the interstellar extinction curve. I will summarize our results on electronic gas-phase spectroscopy of PAHs and discuss the abundance of small PAHs in the interstellar medium. Finally, the stability of PAHs with side-groups against photodestruction will be discussed.