

Session Program

Jun 19 - 24, 2022



The 13th Torino Workshop on AGB stars & the 3rd Perugia Workshop on Nuclear Astrophysics

Dust and presolar grains

Wed, June 22

9:00 AM

Dust and presolar grains

Session | Location: Perugia, Italy | Convener: Maria LUGARO

9:00 – 9:25 AM

Light and Heavy-element Isotopic Compositions of Presolar SiC Grains from Low-mass AGB Stars (R)

Speaker

Nan LIU

9:25 – 9:50 AM

CHILI: What's next?

Speaker

Andrew M. DAVIS

9:50 – 10:15 AM

Molybdenum, ruthenium, and barium isotopes in presolar silicon carbide and graphite

Speaker

Thomas STEPHAN

10:15 – 10:40 AM

The $^{26}\text{Al}/^{27}\text{Al}$ isotopic ratio in stellar grains and the stars of the asymptotic giant branch

Speaker

Benjamin SOOS

10:40 AM

11:10 AM

Dust and presolar grains

Session | Location: Perugia, Italy | Convener: Maria LUGARO

11:10 – 11:35 AM

Dust production around carbon-rich stars: the role of metallicity

Speaker

Ambra NANNI

11:35 AM – 12:00 PM

How a stellar companion influences the dust-gas chemistry within AGB outflows and beyond (R)

Speaker

Marie VAN DE SANDE

12:00 – 12:25 PM

Are the extremely red asymptotic giant branch stars hiding a close companion?

Speaker

Flavia DELL'AGLI

12:25 – 12:50 PM

Studying the Post-AGB stars in Magellanic Clouds as a probe for dust production and mass-loss mechanisms

12:50 PM	Speaker Silvia TOSI
2:55 PM	Dust and presolar grains Session Location: Perugia, Italy
	2:55 - 3:20 PM Mixed metal oxides as primary dust condensates Speaker David GOBRECHT
	3:20 - 3:45 PM The stellar sources of presolar silicates revisited - New insights from magnesium isotopic compositions Speaker Peter HOPPE
	3:45 - 4:10 PM Dust Changes in Sakurai's Object: PAHs, SiC and carbonates (not melilites) Speaker Janet BOWEY
	4:10 - 4:35 PM Flecks of extraterrestrial dust, all over the roof - The story of their cosmic makeup (R) Speaker Leen DECIN
5:00 PM	4:35 - 5:00 PM Production of light trans-Fe elements in neutrino-driven winds of core-collapse supernovae: Implications from presolar SiC-X grains Speaker Prof. Karl-Ludwig KRATZ