

6th Institute of Space Sciences Summer School: Life Cycle of Dust

Monday 03 July 2023

Lecture: Lecture (09:15-11:00)

Lecture: Lecture (11:15-13:00)

Lecture: Lecture (14:30-16:00)

Tuesday 04 July 2023

Lecture: Characterizing cosmic dust particles from photopolarimetry (09:00-10:45)

time	[id] title	presenter
09:00	[11] Characterizing cosmic dust particles from photopolarimetry	MUÑOZ, Olga

Lecture: Quantum chemical modelling of dust (11:15-13:00)

time	[id] title	presenter
11:15	[12] Quantum chemical modelling of dust	BROMLEY, Stefan

Wednesday 05 July 2023

Lecture: Dust formation in AGB stars (09:00-10:45)

time	[id] title	presenter
09:00	[15] Dust formation in AGB stars	KEMPER, Ciska

Lecture: X-ray observations of dust (11:15-13:00)

time	[id] title	presenter
11:15	[16] X-ray observations of dust	ZEEGERS, Sascha

Thursday 06 July 2023

Lecture: Dust in the early Universe (theoretical) (09:00-10:45)

time	[id] title	presenter
09:00	[19] Dust in the early Universe (theoretical)	SCHNEIDER, Raffaella

Lecture: The life cycle of dust in galaxies (observational) (11:15-13:00)

time	[id] title	presenter
11:15	[20] The life cycle of dust in galaxies (observational)	KEMPER, Ciska

Lecture: Dust in extreme environments (observational) (14:00-15:45)

time	[id] title	presenter
14:00	[21] Dust in extreme environments (observational)	KEMPER, Ciska

Lecture: Dust in extreme environments (theoretical) (16:15-18:00)

time	[id] title	presenter
16:15	[22] Dust in extreme environments (theoretical)	SCHNEIDER, Raffaella

Friday 07 July 2023

Lecture: Dust as a tracer of the ISM - GAIA (09:00-10:45)

time	[id] title	presenter
09:00	[23] Dust as a tracer of the ISM - GAIA	DHARMAWARDENA, Thavisha

Lecture: Student presentations (11:15-13:00)

time	[id] title	presenter
11:15	[24] Student presentations	PLACINTA MITREA, Alexandru Florin MAHANI, Hamidreza ORTE, Maialen DÍAZ, Elena DEMIR, Dođa ZSÍROS, Szanna
	- [1] Useful tools for beginners and protoplanetary disks	ALEXANDRU FLORIN, Placinta Mitrea
	- [2] The mass loss rate of Andromeda's most massive satellites	MAHANI, Hamidreza
	- [3] Temperature relationships for CII ⁺ ion and determination of ionic abundances	ORTE, Maialen
	- [4] Break	
	- [5] Radio observations of star-forming regions	DÍAZ, Elena
	- [6] Future prospects in the advancement of supernova explosion studies: Early detection, multimessenger astronomy, and theoretical modeling	DEMIR, Dođa
	- [7] Dust formation and circumstellar interaction in the formation of core-collapse supernovae	ZSÍROS, Szanna

Monday 10 July 2023

Lecture: Astronomical facilities to study the dust - from optical to radio (09:00-10:45)

time	[id] title	presenter
09:00	[26] Astronomical facilities to study the dust - from optical to radio	GIRART, Josep Miquel

Lecture: Grain growth from sub-micron to pebble-sized grains (11:15-13:00)

time	[id] title	presenter
11:15	[27] Grain growth from sub-micron to pebble-sized grains: theory	GUILLET, Vincent

Lecture: Dust as a tracer of magnetic fields at core's scales (14:00-15:45)

time	[id] title	presenter
14:00	[28] Dust as a tracer of magnetic fields at core's scales	GIRART, Josep Miquel

Lecture: Accretion disk models in diverse environments (16:15-18:00)

time	[id] title	presenter
16:15	[29] Accretion disk models in diverse environments	OSORIO, Mayra

Tuesday 11 July 2023

Lecture: Dust as a tracer of star formation (09:00-10:45)

time	[id] title	presenter
09:00	[30] Dust as a tracer of star formation	BUSQUET, Gemma

Lecture: Dust as a tracer of magnetic fields at Galactic scales - Planck (11:15-13:00)

time	[id] title	presenter
11:15	[31] Dust as a tracer of magnetic fields at Galactic scales - Planck	GUILLET, Vincent

Wednesday 12 July 2023

Lecture: Observations of dust at star-forming core scales (09:00-10:45)

time	[id] title	presenter
09:00	[34] Observations of dust at star-forming core scales	MAURY, Anaëlle

Lecture: Dust particle distribution in protoplanetary disks from millimeter observations (11:15-13:00)

time	[id] title	presenter
11:15	[35] Dust particle distribution in protoplanetary disks from millimeter observations	CARRASCO-GONZÁLEZ, Carlos

Lecture: Grain growth (14:00-15:45)

time	[id] title	presenter
14:00	[36] Grain growth	MÉNARD, François

Lecture: Chemistry on dust surfaces: H₂ formation and molecular diversity (16:15-18:00)

time	[id] title	presenter
16:15	[37] Chemistry on dust surfaces: H ₂ formation and molecular diversity	RIMOLA, Albert

Thursday 13 July 2023

Lecture: Meteorites (09:00-10:45)

time	[id] title	presenter
09:00	[38] Meteorites	TRIGO-RODRÍGUEZ, Josep M.

Lecture: Pre-solar and Solar System dust (11:15-13:00)

time	[id] title	presenter
11:15	[39] Pre-solar and Solar System dust	TRIGO-RODRÍGUEZ, Josep M.