

13th IMPRS Symposium Schedule

Thu 9th June

Galaxy Formation and Evolution	Chair: Yun-Hsin Hsu
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09:20-09:30	Welcome		
9:30-10:00	Milena Valentini	USM	Overview
10:00-10:20	de Sá Freitas, Camila	ESO	Disentangling the light from nuclear discs: deriving stellar ages and the epoch of bar formation
10:20-10:40	Zier, Oliver	MPA	Shearing box approximation on a moving mesh
10:40-11:00	Munoz Elgueta, Nahir	MPA	Simulated extended [CII] emission around high-redshift galaxies
11:00-11:20	Coffee break		
11:20-11:40	Basu, Arghyadeep	MPA	"Variation of Atomic Hydrogen Properties with Galactic Latitude"
11:40-12:00	Partmann, Christian	MPA	The dynamics of black holes in dwarf galaxies - a possible path to dark matter cores?
12:00-12:20	Romano, Leonard	USM	Simulating the Evolution of the Grain Size Distribution and H ₂ in an isolated galaxy
12:20-14:00	Lunch		

Star and Planet Formation	Chair: Anshuman Acharya
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14:00-14:30	Joanna Drażkowska	USM	Overview
14:30-14:50	Somigliana, Alice	ESO	A population synthesis model forgoing stars and their discs
14:50-15:10	Thomas, Luis	USM	Detecting Helium in Exoplanet Atmospheres with the Hubble Space Telescope
15:10-15:30	Zak, Jiri	ESO	Characterization of exoplanetary atmospheres using transmission spectroscopy
15:30-15:50	Coffee break		
15:50-16:10	König, Pierre-Cécil	ESO	A warm super-Neptune discovered around TOI-1710 with TESS, SOPHIE and HARPS-N
16:10-16:30	Alberton Davide	MPE	Molecular spectroscopy as a tool for astrochemistry
16:30-16:50	Zamponi, Joaquin	MPE	Constraining the grain size and dust polarization signatures in the Class 0 protostar IRAS 16293-2422 B

Fri 10th June

Cosmology	Chair: David Kaltenbrunner
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09:30-10:00	Ariel Sanchez	MPE	Overview
10:00-10:20	Esposito, Matteo	MPE	Weighing Cosmic Structures with Clusters of Galaxies and the Intergalactic Medium
10:20-10:40	May, Simon	MPA	Simulations of cosmic structure formation with fuzzy dark matter
10:40-11:00	Muralidhara, Vyoma	MPA	Time-Ordered Data simulations for FYST
11:00-11:20	Coffee break		
11:20-11:40	Chaturvedi, Avinash	ESO	Examining TNG50 simulation of galaxy cluster environments against the Meerkat Fornax HI Survey
11:40-12:00	Langan, Ivanna	ESO	The impact of gas flows on the mass and metallicity based scaling relations
12:00-14:00	Lunch		

High Energy Astrophysics	Chair: Arghyadeep Basu
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14:00-14:30	Chandreyee Maitra	MPE	Overview
14:30-14:50	Waddell, Sophia	MPE	X-ray soft excesses in AGN as seen by eROSITA
14:50-15:10	Kaltenbrunner, David	MPE	High Mass X-ray Binaries in the Magellanic Clouds
15:10-15:30	Camilloni, Francesco	MPE	V404 Cygni: high resolution X-ray spectroscopy of the 2015 outburst
15:30-15:50	Coffee break		
15:50-16:10	Willer, Robert	MPE	Understanding Supersoft X-ray sources with eROSITA
16:10-16:30	Gonzalez Lobos, Vale	MPA	Powering mechanisms of circumgalactic Lyman-alpha emission with high-redshift submm-bright galaxies
16:30-16:40	Closing remarks		