

WE Heraeus-EAS
Early Career
Researchers in
Astronomy
Workshop

27 Feb - 03 Mar 2023 Max Planck Institute for Extraterrestrial Physics Giessenbachstr. 85748 Garching b. München

https://www.origins-cluster.de/ heraeus-workshop2023 Organizers: Matthias Steinmetz AIP/EAS

Andreas Burkert LMU/MPE/EAS Excellence Cluster ORIGINS

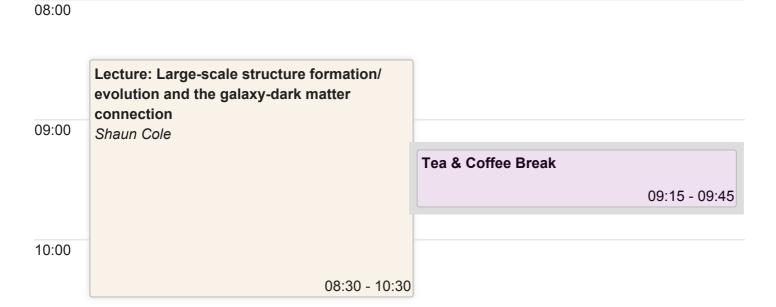


10:00	Arrivals & Registration
11:00	
	MPE Large Seminar Room. Fover 10:00 - 12:00
12:00	Lunch Break 12:00 - 13:00
13:00	Welcome Andreas Burkert, Matthias Steinmetz, Stefan Jorda 13:00 - 13:00
	Lecture "The supermassive black hole at the center of our galaxy and Sgr A*" Stefan Gillessen
14:00	13:30 - 14:15
	Discussion and Coffee break 14:15-14:45
	Lecture: "Galaxy evolution across cosmic time" Natascha Foerster Schreiber
15:00	14:45 - 15:30
	Discussion and Coffee Break 15:30 - 16:00
16:00	Chemo-dynamical and arc-like features revealed by Gaia DR3 actions Pedro Palicio
	16:00-16:30
	The correlations between galaxy evolution and large scale structure Mohammadreza Ayromlou 16:30-17:00
17:00	Stellar populations in SDSS and TNG50: tracing past merger events from galaxy centers Alina Boecker 17:00-17:30
	Reproducing the unusual tail of D100 using hydrodynamical simulations. Claire Cashmore
	17:30-18:00
18:00	Unveiling the low surface brightness Universe: The HERON Coma Cluster Project Javier Román
	18:00 - 18:30 Bavarian Buffet Dinner
19:00	
20:00	
	MPE Large Seminar Room, Foyer 18:30 - 20:30

09:00	Lecture: Epoch of Reionizatiion	Coffee and Tea Break	
10:00		Johnsouna roa Broak	09:45 - 10:15
	Andrea Ferrara		
	09:00 - 11:00		
11:00	Chemical evolution of the Universe and its consequences for gravitational wave astrophysics		Martyna Chruslinska
	gravitational wave astrophysics		11:00-11:30
	Galaxy evolution in the local universe		Cressida Cleland
			11:30-12:00
12:00	Lunch Break		
13:00			12:00 - 13:30
	Molecular gas kinematics in local early-type ga	alaxies with AI MA	Ilaria Ruffa
	molocular gas kinomatics in local carry type go	aldaloo Will Allina	13:30 - 14:00
14:00	The assembly of dusty galaxies at z ≥ 4 : the b	uild-up of stellar mass	Claudia Di Cesare
	and its scaling relations with hints from JWST data		14:00-14:30
	The Molecular CGM: Entrainment or Thermal I	nstability?	Ryan Farber
			14:30 - 15:00
15:00	Coffee & Tea Break		
	MPE Large Seminar Room, Foyer		15:00-15:30
			Francesco Dotti
	The role of the star cluster environment in the	aynamical	15:30 - 16:00
16:00	The HI discs of galaxies as tracers of the baryon avolution	onic physics of galaxy	Jindra Gensior
	evolution		16:00 - 16:30
	Searching for dual AGN and its effect on the g	alaxy merger systems	Rubinur Khatun
			16:30 - 17:00
17:00	Star-forming early-type galaxies & quiescent la in the local Universe	ate-type galaxies	Evangelos Paspaliaris
	in the local offiverse		17:00-17:30

00.00		
09:00	Properties of DM Halos of Light-cone N-body Simulations	Maria Chira
		09:00 - 09:30
	On the baryon-driven contraction of dark matter halos	Pengfei Li
		09:30 - 10:00
10:00	The complex nature of the ISM in local and high-z star-forming galaxies	Manuel Behrendt
		10:00 - 10:30
	Coffee and Tea Break	
		10:30 - 11:00
11:00	Extremely relativistic tidal disruption events by supermassive black holes	Taeho Ryu
		11:00 - 11:30
	Comparison of the observed properties of Milky Way satellites	Salvatore Taibi
	on and off the Vast Polar Structure	11:30 - 12:00
12:00	Can spirals help the Milky Way 'breathe'? - a quest with	Soumavo Ghosh
	simulations & Gaia mission	12:00-12:30
	Lunch Break	
	Luicii Bieak	
	Lunch break	
13:00	Lunch break	12:30 - 14:00
13:00	Cannibalism Caught in the Act on the Frequency of Occurrence of Multip	
	Cannibalism Caught in the Act on the Frequency of Occurrence of Multip	ole Yun-Hsin Hsu
	Cannibalism Caught in the Act on the Frequency of Occurrence of Multip Cores in Brightest Cluster Galaxies	14:00-14:30
	Cannibalism Caught in the Act on the Frequency of Occurrence of Multip Cores in Brightest Cluster Galaxies TOP200: Survey and calatogue of dense cores in the 200 brightest Planck	14:00-14:30 Andras Peter Joo
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14:00	Cannibalism Caught in the Act on the Frequency of Occurrence of Multip Cores in Brightest Cluster Galaxies TOP200: Survey and calatogue of dense cores in the 200 brightest Planck compact sources Strong evidence of ram-pressure stripping in low surface brightness	14:00-14:30 Andras Peter Joo 14:30-15:00
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Thu 02/03 Chair: Andreas Burkert







09:00	Lecture: Physics of the turbulent interstellar medium Stefanie Walch-Gassner Coffee and Tea Break	00.45 40.45
10:00	09:00 - 11:00	09:45 - 10:15
11:00	Self-Tour of ESO Supernova Exhibition	11:00 - 12:00
12:00	ESO Planetarium Show: Europe to the Stars	12:00 - 13:00
13:00	Lunch Break	
14:00	Lighting up the dark side of the Universe: new insights on the	13:00 - 14:30 Michael Romano
	galaxy build-up through the ALPINE survey	14:30 - 15:00
15:00	The measurement of galaxy population properties with forward-modelling	Luca Tortorelli
	Observations of intergalactic gas with the DESI survey	15:00 - 15:30 Michael Walther
	de la contraction de la contra	15:30 - 16:00
16:00	Coffee and Tea Break	16:00 - 16:30
	Investigating the Galactic metallicity gradient with asteroseismic ages	Emma Willett 16:30 - 17:00
17:00	The relation between black-hole growth and host-galaxy compactness	Qingling Ni
	among star-forming galaxies	17:00 - 17:30