

# Deciphering the Cosmic Code for Galaxy Formation

DEC 09-13, 2024 - Puerto Varas - Chile

## PROGRAM

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	Welcome	<b>Cecie Peroux</b> - The Baryon Cycle	<b>Vladimir Avila-Reese</b> - Deciphering the fossil record of galaxies to reconstruct their evolution	<b>Susana Pedrosa</b> - Angular Momentum and Galaxy Morphology	<b>Antonela Monachesi</b> - Stellar halos of galaxies: Fossil relics of mass assembly
9:15	<b>Volker Springel</b> - Challenges and opportunities for the next generation galaxy formation simulations				
9:30					
9:45		Daniel DeFelippis	<b>Celeste Artale</b> - High-redshift Proto-clusters in Cosmological Simulations	<b>Ricardo Amorín</b> - The emission-line properties, chemical abundances and star formation feedback in star-bursting dwarf galaxies near and far	Elisa Tau
10:00	<b>Federico Stasyszyn</b> - Simulating Galactic Magnetohydrodynamics: The Role of Magnetic Fields in Galaxy Evolution	Victoria Bollo			Jenny Gonzalez
10:15		Angelica Danhaive	Ivan Lacerna	Carlo Cannarozzo	Guilherme Limberg
10:30	Coffe Break	Coffe Break	Coffe Break	Coffe Break	Coffe Break
10:45					
11:00	Florent Renaud	<b>Guinevere Kauffmann</b> - Semi-analytic models Galaxy Formation: success and open questions	<b>Francesco D'Eugenio</b> - Insights on early galaxies from JADES and GA-NIFS	<b>Francesca Fragkoudi</b> - Bar formation and evolution in LCDM	Sunny Cheng
11:15	Hyerin Cho				Paola Santini
11:30	Minghao Guo		Marco Castellano		Camila de Sá Freitas
11:45	Christian Partman	<b>Ezequiel Treister</b> - Physical Properties of Gas and Stellar Populations in Galaxy Mergers Hosting Dual AGN from ALMA and VLT/MUSE Observations	<b>Claudia Mendes de Oliveira</b> - A multicolor study of clusters and groups of galaxies	Maria Luiza L. Dantas	Paola Dimauro
12:00	Miha Cernetic			Lais Borbolato	Pierluigi Cerulo
12:15	Jenna Samuel	Matias Bravo			Benjamin Davis
12:30	Pedro Cataldi	Daniela Palma		Andrea Sante	Lunch
12:45	Frank Van den Bosch	Megan Oxland		Vadim Semenov	
13:00	Lunch	Lunch		Lunch	
14:00			<b>Yara Jaffé</b> - Environmental quenching of galaxies across the cosmic web.		
14:15					

14:30	<b>Volker Bromm</b> - The First Stars and Galaxies in the JWST Era	<b>Sara Ellison</b> - After the party: what happens once galaxies have merged?	FREE	<b>Facundo Gomez</b> - Linking morphological and kinematical distortions with recent galactic evolutionary histories	Christopher Haines
14:45				Abhner de Almeida	<b>Simon White</b> - Discussion
15:00					
15:15	<b>Leonardo Pellizza</b> - Feedback by X-ray binaries	Leonardo Ferreira		Brian Tapia	
15:30	Catalina Casanueva	Emanuel Sillero		Daniela Barrientos	Coffee Break
15:45		David Puskas		Alina Boecker	
16:00	Coffee Break	Coffee Break		Coffee Break	
16:15					
16:30	Hands-on session 1	Lucas Bignone		Hands-on session 2	
16:45		Poster session			
17:00					
18:00		Workshop Photo			
18:15					
	<b>19:00 - Cocktail</b>		<b>19:30 - Workshop Dinner</b>		