

Deciphering the Cosmic Code for Galaxy Formation

DEC 09-13, 2024 - Puerto Varas - Chile

PROGRAM

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

Chair	Francesco D'Eugenio	Federico Stasyszyn		Laerte Sodré	hydrodynamical simulations with realistic galaxies
14:30	Leonardo Pellizza - Feedback by X-ray binaries	Sara Ellison - After the party: what happens once galaxies have merged?	FREE	Facundo Gomez - Linking morphological and kinematical distortions with recent galactic evolutionary histories	
14:45					
15:00	Catalina Casanueva	Abhner de Almeida		Simon White - Discussion	
15:15	Sunny Cheng	Leonardo Ferreira		Brian Tapia	
15:30	Benjamin Davis	Emanuel Sillero		Daniela Barrientos	Coffee Break
15:45	Pierluigi Cerulo	David Puskas			
16:00	Coffee Break	Coffee Break		Coffee Break	
16:15					
16:30	Hands-on session 1	Poster session Lighting talks Chair: Maria Luiza Dantas		Hands-on session 2	
16:45					
17:00					
17:15					
17:30					
17:45		Workshop Photo			
18:00					
18:15					
	19:00 - Cocktail			19:30 - Workshop Dinner	