

Journées Scientifiques Galaxies, Lyon, Oct 7-9 2024

Monday Oct 7th

Chair	Elisabeth Sola	
14:00-14:15	Welcome	
14:15-14:30	<u>PNCG : a review of our actions, and evolution</u>	Samuel Boissier (LAM)
14:30-14:45	An overview of instrument projects at CRAL	Matt Lehnert (CRAL)
14:45-15:00	<u>First Euclid science results with the Early Release Observations</u>	Jean-Charles Cuillandre (CEA Saclay)
15:00-15:15	<u>A history of galaxy migrations over the Stellar Mass - SER Plane from the COSMOS-Web survey</u>	Rafael Arango-Toro (LAM)
15:15-15:30	<u>The NIKA2 Cosmological Legacy Survey (N2CLS): measurements and modeling of the number counts, confusion level, and colors</u>	Matthieu Bethermin (LAM)
15:30-15:45	<u>The evolution of the dust cosmic density as seen by NIKA2/N2CLS</u>	Stefano Berta (IRAM)

- coffee break -

Chair	Floriane Leclercq	
16:15-16:30	<u>WST: The Wide Field Spectroscopic Telescope</u>	Roland Bacon (CRAL)
16:30-16:45	Galaxy morphology with Euclid ERO-Perseus images	Louis Quilley (CRAL)
16:45-17:00	The characterization and the properties of the eXtended-UV (XUV) galaxies in nearby galaxies with deep optical photometry	Eloïse Bernaud (LAM)
17:00-17:15	Probing the Universe with galaxy clusters: the special case of exotic strong lensing	Quentin Basto (CRAL)
17:15-17:30	<u>Rotation curves and dark matter fraction at large radii inferred from stacking at $z \sim 0.5$ to 2.5</u>	Jean-Baptiste Jolly (MPE)
17:30-17:45	<u>Specific angular momentum maps for nearby galaxies</u>	Juan Manuel Pacheco Arias (LAM)
17:45-18:00	<u>Galaxies with grains: unraveling dust evolution and extinction curves with hydrodynamical simulations</u>	Yohan Dubois (IAP)

Tuesday Oct 8th

Chair	Aashiya Anitha Shaji	
09:00-09:15	University of gravity-driven turbulence across galactic disks	Jérémy Fensch (CRAL)
09:15-09:30	<u>The Rhea simulations of Milky-Way-like galaxies</u>	Noé Bruicy (U Heidelberg)
09:30-09:45	A mass invariant at the origin of the universality of the Core Mass Function?	Pierre Dumond (CRAL)
09:45-10:00	<u>Modeling the neutral gas heating in low metallicity galaxies</u>	Maxime Varese (CEA Saclay)
10:00-10:15	<u>Galaxy simulations using Phantom of Ramses code</u>	Srikanth T. Nagesh (ObAS)

- coffee break -

Chair	Maximilien Franco	
10:45-11:00	<u>Connecting gas distribution to ionizing photon escape in confirmed LyC leakers and non-leakers</u>	Floriane Leclercq (CRAL)
11:00-11:15	The evolution of the Milky Way disc with the Gaia space mission	Alejandra Recio-Blanco (OCA)
11:15-11:30	<u>Unveiling spiral-like structures in the Galactic disc with Gaia DR3 radial actions</u>	Pedro Alonso Palicio (OCA)
11:30-11:45	Milky Way Stellar Streams for Galactic Archaeology	Salvatore Ferrone (OBSP)
11:45-12:00	Reassessing the proper motion of M31 with Gaia DR3: unraveling systematic uncertainties	Samuel Rusterucci (ObAS)

- lunch break -

Chair	Marion Farcy	
14:00-14:15	<u>Modeling the evolution of the Milky Way from Gaia DR3: constraints on SF History in the discs</u>	Annie Robin (Utinam)
14:15-14:30	Tracing any activity of M31's nucleus with mm/sub-mm wavelength observations	Anne-Laure Melchior (OBSP)

14:30-14:45	Exploring the connections between annotated Low Surface Brightness tidal features, haloes, and host galaxy characteristics in deep CFHT images	Elisabeth Sola (U Cambridge)
14:45-15:00	An Euclid view of Globular Clusters of Dwarf Galaxies	Teymoor Saifollahi (ObAS / CNES)
15:00-15:15	Metal-poor stars on disc-like orbits: insights from Pristine-Gaia synthetic	Isaure González Rivera De La Vernhe (OCA)
15:15-15:30	The MUSE Hubble Ultra Deep Field survey: Dark matter halo properties of intermediate-z star-forming galaxies	Bianca-Iulia Ciocan (CRAL)

- coffee break -

Chair	Teymoor Saifollahi	
16:00-16:15	Poster session, with 3 minutes per presentation	
	Dust mass measurements as a function of redshift, stellar-mass and star formation rate, from $z = 1$ to $z = 5$ in the ALMA Lensing Cluster Survey	Jean-Baptiste Jolly (MPE)
	Constraining Type Ia SN progenitor via cosmic rate analysis	Pedro Alonso Palicio (OCA)
	Type Ia supernovae in Chemical Evolution Models: an analytic solution	Pedro Alonso Palicio (OCA)
	The physical processes controlling the corpulence of galaxies: the view from TNG50	Gary Mamon (IAP)
16:15-16:30	What the Lyman-alpha line tells us about the circum-galactic medium of distant galaxies	Jérémy Blaizot (CRAL)
16:30-16:45	COSMOS-Web ring: discovery of the most distant lens and the subsequent IMF controversy	Wilfried Mercier (LAM)
16:45-17:00	The universal diversity of galaxy formation	Florent Renaud (ObAS)
17:00-17:15	Off-centre supermassive black holes in bright central galaxies	Pierre Boldrini (IAP)

- wine and cheese at Lyon Observatory in Saint Genis-Laval -

Wednesday Oct 9th

Chair	Isaure González Rivera De La Vernhe	
09:00-09:15	<u>Disentangling a system of galaxies by comparing optical and molecular IFU data with numerical simulations</u>	Anaëlle Hallé (OBSP)
09:15-09:30	Caught in the cosmic web: framing the big picture of massive galaxies' slow quenching since cosmic noon	Thibaud Moutard (ESAC)
09:30-09:45	Euclid - Early Release Observations: Investigating Density and Color Profiles in the Outer Reaches of Disk Galaxies within the Perseus Cluster	Maëlie Mondelin (CEA Saclay)
09:45-10:00	<u>Low redshift groups and clusters of galaxies in the X-CLASS survey : Redshift identification and physical properties</u>	Quentin Moysan (IRAP)
10:00-10:15	<u>A peculiar group of galaxies falling onto Abell 2142</u>	Aashiya Anitha Shaji (LERMA)

- coffee break -

Chair	Joe Lewis	
10:45-11:00	<u>Precise stellar clumps reconstruction with Turbo-SFW on a local dwarf galaxy observed with JWST</u>	Cédric Dubois (LAM)
11:00-11:15	<u>Impact of clusters' connectivity on their evolution and gas accretion</u>	Céline Gouin (IAP)
11:15-11:30	<u>New insights on the first protoclusters: from JWST to the ELT</u>	Nicolas Laporte (LAM)
11:30-11:45	Stochastic Star Formation History at high redshift with JWST	Cristian Carvajal (LAM)
11:45-12:00	An unprecedented view of galaxies during the EoR with COSMOS-Web	Maximilien Franco (U Texas)

- lunch break -

Chair	Maëlie Mondelin	
14:00-14:15	Modeling dust assembly in early galaxies	Maxime Trebitsch (LERMA)
14:15-14:30	<u>The lyman alpha forest and correlation with galaxies in the Cosmic Dawn III simulation</u>	Joe Lewis (IAP)
14:30-14:45	<u>Dust-UV offsets in the Cosmic Dawn III simulation</u>	Pierre Ocvirk (ObAS)
14:45-15:00	<u>The impact of AGN-driven winds on massive galaxies in the early Universe</u>	Marion Farcy (IPFL)
15:00-15:15	Exploring the neutral gas of high-z galaxies with GRBs: gas components, metals, and dust	Andrea Saccardi (OBSP)
15:15-15:30	<u>Simulations of early structure formation: Properties of halos that host primordial star formation</u>	Romain Lenoble (CRAL)
15:30-15:45	<u>Is star formation segregation reversed at high redshift?</u>	Gary Mamon (IAP)

- goodbye and end of conference -