CRISOL25 meeting program v1.1
May 12-16, 2025, Toledo (Spain)

Monday May 12, 2025

Morning session 01 (Redshift Frontier) chair:		
08:00-08:45	Registration	
8:45-9:00	Welcome	Pablo G. Pérez-González & Irene Shivaei
09:00-10:00	The Cosmic Crisol in the JWST era: insights and puzzles from an observational and theoretical perspective	Rachel Somerville & Mark Dickinson
10:00-10:15	Luminous galaxies in the early Universe	Stefano Carniani
10:15-10:30	A Glimpse of the New Redshift Frontier	Vasily Kokorev
10:30-10:45	How did it all start? Searching for galaxies 100-300 Myr after the Big Bang	Marco Castellano
10:45-11:15	Posters and coffee break	
11:15-11:30	A Glimpse of an Ultra-Faint ~10^5 Msun PopIII Galaxy Candidate Through Abell S1063	Seiji Fujimoto
11:30-11:45	Constraining the Topology of Cosmic Reionization Using NIRCam WFSS Observations	Yongda Zhu
11:45-12:00	Metallicity of galaxies at the tail-end of the Epoch of Reionisation	Gauri Kotiwale
12:00-12:15	Evidence for Radiation-Dominated Feedback in Nearby Analogs to Early Starbursts	Lena Komarova
12:15-12:30	Galaxy Mergers in the Epoch of Reionization	Qiao Duan
12:30-12:45	A first look at the ionised gas kinematics of high-redshift galaxies	Lola Danhaive
12:45-13:00	JWST Measurements of [O/Fe] Ratios and Implications for Chemical Enrichment in Early Galaxies at z~10	Minami Nakane

13:00-15:00	Lunch break

Afternoon session 02 (Redshift Frontier) chair:		
15:00-15:30	Invited: census of high-z galaxies (title TBC)	Rohan Naidu
15:30-15:45	An evolved protocluster in the early Universe: the birth of an ionised bubble and the (likely temporary) death of its resident galaxies	Callum Witten
15:45-16:00	SAPPHIRES: Slitless Areal Pure-Parallel High-Redshift Emission Survey	Eiichi Egami
16:00-16:15	JWST Wide Field Spectroscopic Study of Galaxy Over-Density at z=8.47	Yoshinobu Fudamoto
16:15-16:30	Probing Intense Activity Inside a "Cosmic Crucible" at z=12 with JWST and ALMA	Jorge Zavala
16:30-16:45	Poster flash talks	
16:45-17:15	Posters and coffee break	
17:15-17:30	Formation of galaxies at cosmic dawn by feedback-free starbursts	Zhaozhou Li
17:30-17:45	Insights into the starburst nature of GN-z11 galaxy with the JWST MIRI spectroscopy	Javier Álvarez-Márquez
17:45-18:00	Digging into the nature of GNz11: rest-frame optical MIRI imaging	Alejandro Crespo Gómez
18:00-19:00	Discussion panel: redshift frontier	Andrea Ferrara, Steve Finkelestein, Pascal Oesch, Adriano Fontana

20:00-21:30	Welcome cocktail (location TBC)

Tuesday May 13, 2025

Morning session 03 (massive galaxies and quenching) chair:		
09:00-09:30	The rapid rise of massive quiescent galaxies in the first 2 Gyr	Anna de Graaff
09:30-09:45	Dynamical evidence of an overmassive black hole in a quiescent galaxy at z=2	Drew Newman
09:45-10:00	MIDIS: Unveiling the Star Formation History in massive galaxies at 1<z<4.5 with spectro-photometric analysis	Marianna Annunziatella
10:00-10:15	Galaxy assembly in the first billion years: Mini-quenching and more evidence for bursty SFHs	Tobias Looser
10:15-10:30	Investigating the abundance and nature of high-z quiescent galaxies	William Baker
10:30-10:45	Reconstructing the Histories of Dust-Rich Quiescent Galaxies up to z ~ 3	Darko Donevski
10:45-11:00	Poster flash talks	
11:00-11:30	Posters and coffee break	
11:30-11:45	REBELS with ALMA & JWST: The build-up of massive galaxies in the early Universe	Lucie Rowland
11:45-12:00	Big Bad Bois: Balmer Breaks and Broad Lines in Candidate Massive Galaxies a Billion Years After the Big Bang	Erica Nelson
12:00-12:15	Unveiling the UV-brightest monsters in the distant Universe	Miroslava Dessauges-Zavadsky
12:15-12:30	Revealing the complex morphologies of high-z disk galaxies with JWST	Luca Costantin
12:30-12:45	Resolving star formation at Cosmic Noon using WFSS	Nor Pirzkal
12:45-13:00	The emergence of the Hubble sequence as seen by COSMOS-Web	Marc Huertas-Company

13:00-15:00	Lunch break

Afternoon session 04 (Stellar populations) chair:		
15:00-15:30	Unveiling the physical properties of the earliest galaxies: current mysteries and challenges revealed by JWST Surveys	Emma Curtis-Lake
15:30-15:45	Importance of mergers in driving star formation and black hole activity from Cosmic Noon to Cosmic Dawn	David Puskas
15:45-16:00	The burstiness and mass dependence of star formation in low mass galaxies at z~4-5	Claudia di Cesare
16:00-16:15	3,000 Hα emitters at z~4-7: a new tracer of galaxy build-up in the first ~1.5 Gyr	Alba Covelo Paz
16:15-16:30	Old stellar populations and hot gas in the most distant galaxies - JWST/MIRI results from the MIDIS-RED project.	Jens Melinder
16:30-17:00	Posters and coffee break	
17:00-17:15	Exploring Galaxy Interactions in the Early Universe through Resolved Hα Emission	Carlota Prieto Jiménez
17:15-17:30	Revealing the parsec-scales details of high-z star-forming systems with JWST	Matteo Messa
17:30-17:45	Mind the gap: numerical experiments between kilo-parsec and parsec scale at high-redshift	Eden Girma
17:45-18:45	Discussion panel: galaxy assembly	Mauro Giavalisco, Harley Katz, Jeyhan Kartaltepe, Paola Santini, Mauro Stefanon

19:00-21:00 (TBC)	Guided city tour around Toledo

Wednesday May 14, 2025

Morning session 05 (ISM) chair:		
09:00-09:30	The formation of cosmic dust in the earliest galaxies	Desika Narayanan
09:30-09:45	Investigating The Dust Attenuation Properties of 12 Massive Galaxies Using REBELS JWST NIRSpec and ALMA Observations	Rebecca Fisher
09:45-10:00	Forging the First Dust – Transition from Stellar to ISM Grain Growth in the Early Universe	Denis Burgarella
10:00-10:15	What made the dust so hot in a z = 8.3 galaxy? Case Study of MACS0416-Y1	Anishya Harshan
10:15-10:30	The formation of dust in the early Universe	Hiddo Algera
10:30-10:45	Origins of Carbon Dust in a JWST-Observed Primeval Galaxy at z~6.7	Ambra Nanni
10:45-11:15	Posters and coffee break	
11:45-12:15	Cosmic Cradles: The ISM and Nebular Properties of Early Galaxies revealed by JWST	Mirko Curti
11:45-12:00	Probing chemical enrichment in star-forming galaxies using oxygen and argon abundances	Souradeep Bhattacharya
12:00-12:15	Tracing the chemical enrichment pathways of high-redshift star-forming galaxies	Thomas Stanton
12:15-12:30	Gas-phase metallicity gradients in galaxies at z~6-8	Giacomo Venturi
12:30-12:45	Advanced Metallicity Determination with HOMERUN: New Frontiers in JWST Observations	Alessandro Marconi
12:45-13:00	Exploring the high-z ISM with HOMERUN	Bianca Moreschini
13:00-**14:30**	Lunch break	

Afternoon session 06 (ISM) chair:		
14:30-14:45	Exploring multi-phase chemical mixing in high-z analogues: new insights into nitrogen enrichment	Bethan James
14:45-15:00	A multi-tracer, kpc-scale view of the gas, dust and stars in z~3 submillimeter galaxies	Beth Westoby
15:00-15:15	Revealing the parsec-scales details of high-z star-forming systems with JWST	Mahmoud Hamed
15:15-15:30	The cold gas of star-forming galaxies at cosmic noon	Ivanna Langan
15:30-15:45	Efficient Ionizers with Low H-beta+[OIII] Equivalent Widths: JADES Spectroscopy of a Peculiar High-z Population	Isaac Laseter
15:45-16:00	Spatially resolved properties of ionized outflows in star-forming galaxies from z = 3 to 9	Bruno Rodríguez del Pino
16:00-16:30	Posters and coffee break	
16:00-16:30	The role of multiphase galactic outflows in regulating star formation in the era of JWST	Ulrich Steinwandel
16:45-17:00	Exploring feedback in high-z galaxies through the eyes of ALMA and JWST	Eleonora Parlanti
16:45-17:45	Discussion panel: ISM (dust and gas)	Andy Bunker, Chiaki Kobayashi, Giulia Rodighiero, Irene Shivaei, Laura Sommovigo

19:30-23:00	Conference dinner (Cigarral del Ángel Custodio)

Thursday May 15, 2025

Morning session 07 (AGN) chair:		
10:00-10:30	The population of black holes in the early Universe and their interplay with galaxies in the JWST era	Roberto Maiolino
10:30-10:45	The dense environment of luminous AGN at z = 3-7	Michele Perna
10:45-11:00	The X-rays Strike Back: unlocking the formation of SMBHs in quasars at early cosmic times	Alessia Tortosa
11:00-11:15	JWST MIRI reveals the diversity of nuclear mid-infrared spectra of nearby type-2 quasars	Cristina Ramos Almeida
11:15-11:30	Seeking the rise of the first Massive Black Holes: evidence for an early super-Eddington growth?	Alessandro Trinca
11:30-12:00	Posters and coffee break	
12:00-12:15	Bubbles, outflows and lurking BHs: the novel JWST/NIRSpec view of high-z AGN	Giovanni Cresci
12:15-12:30	Discovery of two z~6.5 post-quasar galaxies in large ionised bubbles	Romain Meyer
12:30-12:45	GA-NIFS: Resolving AGN outflow properties at z~3-6 with JWST NIRSpec	Elena Bertola
12:45-13:00	Physical Pathways for JWST-Observed Supermassive Black Holes in the Early Universe	Junehyoung Jeon
13:00-15:00	lunch	

Afternoon session 08 (AGN) chair:		
15:00-15:15	Powerful nuclear outflows and circumgalactic medium shocks driven by the most luminous quasar in the Universe	Tanio Diaz Santos
15:15-15:30	Revolutionizing the Study of Reionization-Era Quasar Environments with ASPIRE	Jackie Champagne
15:30-16:00	The role of ISM substructure in shaping multiphase AGN outflows	Samuel Ward
16:00-16:15	Remembrance of AGN models past: Learning the physical conditions	Aswin Vijayan
16:15-16:30	A JWST-ALMA synergy to unveil the early co-evolution of galaxies and supermassive black-holes	Francesco Salvestrini

16:30-16:45	Revealing supermassive black holes in the early universe using photometric variability	Alice Young
16:45-17:15	Give me a break: The Ambiguous Nature of Little Red Dots	Jenny Greene

Friday May 16, 2025

Morning session 10 (LRDs) chair:		
09:00-09:15	Broad-Line AGN at 3.5 < z < 6: The Black Hole Mass Function and a Connection with Little Red Dots	Anthony Taylor
09:15-09:30	Evolved Stellar Populations at z ~ 7 - 8 in Little Red Dots Identified with JWST/NIRSpec	Bingjie Wang
09:30-09:45	The Host Galaxy (If Any) of the Little Red Dots	Changhao Chen
09:45-10:00	Challenging the AGN scenario for JWST/NIRSpec broad H-alpha emitters/Little Red Dots in light of non-detection of NIRCam photometric variability and X-ray	Mitsuru Kokubo
10:00-10:15	Dissecting Little Red Dots: Spatially resolved spectroscopy of faint broad-line AGN	Alberto Torralba
10:15-10:30	Unveiling Broadened Emission in LRDs: A Statistical Simultaneous Spectral Analysis with RUBIES NIRSpec	Raphael Hviding
10:30-11:00	Poster awardee talks	TBD
11:00-11:30	Coffee break	
11:30-11:45	The discovery of dual and offset "little red dots" with a pixel-by-pixel color selection method	Takumi Tanaka
11:45-12:00	Balmer Decrements in Little Red Dots: Investigating High-Redshift AGN Attenuation	Vanessa Brown
12:00-13:00	Discussion panel: AGN (and LRDs)	Yuichi Harikane, Michaela Hirschmann, Dale Kocevski, Dominika Wylezalek
13:00-13:10	Closing remarks and adjourn	