

CRISOL25 meeting program v0
May 12-16, 2025, Toledo (Spain)

Monday May 12, 2025

Morning session D1 chair:		
09:00-09:15	Welcome	
09:15-10:00	Invited: general first Gyr	Rachel Sommerville
		Mark Dickinson
10:00-10:15	Luminous galaxies in the early Universe	Stefano Carniani
10:15-10:30	Insights into the starburst nature of GN-z11 galaxy with the JWST MIRI spectroscopy	Javier Álvarez-Márquez
10:30-10:45	How did it all start? Searching for galaxies 100-300 Myr after the Big Bang	Marco Castellano
10:45-11:00	A Glimpse of an Ultra-Faint $\sim 10^5$ Msun PopIII Galaxy Candidate Through Abell S1063	Seiji Fujimoto
11:00-11:30	Posters and coffee break	
11:30-11:45	Evidence for Radiation-Dominated Feedback in Nearby Analogs to Early Starbursts	Lena Komarova
11:45-12:00	Constraining the Topology of Cosmic Reionization Using NIRCам WFSS Observations	Yongda Zhu
12:00-12:15	Metallicity of galaxies at the tail-end of the Epoch of Reionisation	Gauri Kotiwale
12:15-12:30	Formation of Superluminous Galaxies and Supermassive Black Holes at Cosmic Dawn	Avishai Dekel
12:30-12:45	Galaxy Mergers in the Epoch of Reionization	Qiao Duan
12:45-13:00	JWST Wide Field Spectroscopic Study of Galaxy Over-Density at $z=8.47$	Yoshinobu Fudamoto
13:00-13:15	JWST Measurements of [O/Fe] Ratios and Implications for Chemical Enrichment in Early Galaxies at $z \sim 10$	Minami Nakane
13:15-13:30	A first look at the ionised gas kinematics of high-redshift galaxies	Lola Danhaive

13:30-15:30	Lunch break
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Afternoon session D1 chair:		
15:30-16:00	Invited: census of high-z galaxies	Rohan Naidu
16:00-16:15	A Glimpse of the New Redshift Frontier	Vasily Kokorev
16:15-16:30	Exploring multi-phase chemical mixing in high-z analogues: new insights into nitrogen enrichment	Bethan James
16:30-16:45	Formation of galaxies at cosmic dawn by feedback-free starbursts	Zhaozhou Li
16:45-17:00	Digging into the nature of GNz11: rest-frame optical MIRI imaging	Alejandro Crespo Gomez
17:00-17:30	Posters and coffee break	
17:30-17:45	Probing Intense Activity Inside a "Cosmic Crucible" at $z=12$ with JWST and ALMA	Jorge Zavala
17:45-18:00	An evolved protocluster in the early Universe: the birth of an ionised bubble and the (likely temporary) death of its resident galaxies	Callum Witten
18:00-19:00	Discussion panel: redshift frontier	Steve Finkelstein, Pascal Oesch,

20:00-21:30	Welcome cocktail (Iglesia de San Sebastián)
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Tuesday May 13, 2025

Morning session D2 chair:		
09:00-09:30	Invited	Anna de Graaff
09:30-09:45	Big Bad Bois: Balmer Breaks and Broad Lines in Candidate Massive Galaxies a Billion Years After the Big Bang	Erica Nelson
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 $z \sim 3$	Darko Donevski
10:45-11:00	Dynamical evidence of an overmassive black hole in a quiescent galaxy at $z=2$	Drew Newman
11:00-11:30	Posters and coffee break	
11:30-12:00	Invited: SED modeling, physical properties of high- z galaxies	Emma Curtis-Lake
12:00-12:15	The role of multiphase galactic outflows in regulating star formation in the era of JWST	Ulrich Steinwandel
12:15-12:30	Forging the First Dust – Transition from Stellar to ISM Grain Growth in the Early Universe	Denis Burgarella
12:30-12:45	The emergence of the Hubble sequence as seen by COSMOS-Web	Marc Huertas-Compan y
12:45-13:00	Revealing the complex morphologies of high- z disk galaxies with JWST	Luca Costantin
13:00-13:15	SAPPHIRES: Slitless Areal Pure-Parallel High-Redshift Emission Survey	Eiichi Egami
13:15-13:30	Mind the gap: numerical experiments between kilo-parsec and parsec scale at high-redshift	Eden Girma
13:30-15:30	Lunch break	

Afternoon session D2 chair:		
15:30-15:45	Unveiling the UV-brightest monsters in the distant Universe	Miroslava Dessauges-Zavadsky
15:45-16:00	The importance of galaxy stochasticity in determining the timing and morphology of reionization.	Ivan Nikolić
16:00-16:15	COSMOS-Web: Key Results and Data Release	Jeyhan Kartaltepe
16:15-16:30	Importance of mergers in driving star formation and black hole activity from Cosmic Noon to Cosmic Dawn	David Puskas
16:30-16:45	Exploring Galaxy Mergers and Close Pairs Among high-z Dark Sources in JWST Surveys	Giulia Rodighiero
16:45-17:00	Resolving star formation at Cosmic Noon using WFSS	Nor Pirzkal
17:00-17:30	Posters and coffee break	
17:30-17:45	A new chemical clock - O/Ar - for constraining gas inflows and star formation	Chiaki Kobayashi
17:45-18:00	A JWST-ALMA synergy to unveil the early co-evolution of galaxies and supermassive black-holes	Manuela Bischetti
18:00-19:00	Discussion panel: galaxy assembly	Santini, Giavalisco,

Wednesday May 14, 2025

Morning session D3 chair:		
08:30-09:00	Invited	Desika Narayanan
09:00-09:15	Investigating The Dust Attenuation Properties of 12 Massive Galaxies Using REBELS JWST NIRSpec and ALMA Observations	Rebecca Fisher
09:15-09:30	Galaxy Assembly in the Early Universe from NIRSpec/IFU Observations of ALMA/REBELS Galaxies	Mauro Stefanon
09:30-09:45	Revealing the parsec-scales details of high-z star-forming systems with JWST	Mahmoud Hamed
09:45-10:00	Gas and Dust in Cosmic Noon galaxies with JWST and ALMA	Leindert Boogaard
10:00-10:15	Origins of Carbon Dust in a JWST-Observed Primeval Galaxy at $z \sim 6.7$	Ambra Nanni
10:15-10:30	What made the dust so hot in a $z = 8.3$ galaxy? Case Study of MACS0416-Y1	Anishya Harshan
10:30-10:45	Exploring feedback in high-z galaxies through the eyes of ALMA and JWST	Eleonora Parlanti
10:45-11:00	The formation of dust in the early Universe	Hiddo Algera
11:00-11:30	Posters and coffee break	
11:30-11:45	Invited: LRDs	Jenny Greene
11:45-12:00		
12:00-12:15	Balmer Decrements in Little Red Dots: Investigating High-Redshift AGN Attenuation	Vanessa Brown
12:15-12:30	Evolved Stellar Populations at $z \sim 7 - 8$ in Little Red Dots Identified with JWST/NIRSpec	Bingjie Wang
12:30-12:45	How Dot-Like Are the Little Red Dots? Investigating Their Complex UV Morphologies and Underlying Properties	Pierluigi Rinaldi
12:45-13:00	Dissecting Little Red Dots: Spatially resolved spectroscopy of faint broad-line AGN	Alberto Torralba
13:00-13:15	Little Red Dots and the Early Growth of Supermassive Black Holes: Insights from JWST and ALMA Observation	Roberta Tripodi
13:15-13:30	JWST's Little Red Dots: Masters of Disguise in the High-Redshift	Fabio

	Universe	Pacucci
13:30-13:45	The Host Galaxy (If Any) of the Little Red Dots	Changhao Chen
13:45-14:00	Unveiling Broadened Emission in LRDs: A Statistical Simultaneous Spectral Analysis with RUBIES NIRSpec	Raphael Hviding
14:00-14:15	The discovery of dual and offset "little red dots" with a pixel-by-pixel color selection method	Takumi Tanaka
dust!	A multi-tracer, kpc-scale view of the gas, dust and stars in $z \sim 3$ submillimeter galaxies	Beth Westoby

14:30	Lunch break and free afternoon
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20:00-23:00	Conference dinner (Cigarral del Ángel Custodio)
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Thursday May 15, 2025

Morning session D4 chair:		
10:00-10:15	Invited	Roberto Maiolino
10:30-10:45	The dense environment of luminous AGN at $z = 3-7$	Michele Perna
10:45-11:00	Modelling broad-line and narrow-line emission of AGN in simulated, high-redshift galaxies	Michaela Hirschmann
11:00-11:15	Spectroscopic insights into AGN and Galaxy evolution at $z > 9.5$: JWST confirms a high galaxy abundance in GLASS	Lorenzo Napolitano
11:15-11:30	JWST MIRI reveals the diversity of nuclear mid-infrared spectra of nearby type-2 quasars	Cristina Ramos Almeida
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	Missing the Forest for the Seeds: Uncovering Representative AGN Growth at Cosmic Dawn	Erini Lambrides
12:30-12:45	GA-NIFS: Resolving AGN outflow properties at $z \sim 3-6$ with JWST NIRSpec	Elena Bertola
12:45-13:00	Challenging the AGN scenario for JWST/NIRSpec broad H-alpha emitters/Little Red Dots in light of non-detection of NIRCам photometric variability and X-ray	Mitsuru Kokubo
13:00-13:15	Powerful nuclear outflows and circumgalactic medium shocks driven by the most luminous quasar in the Universe	Tanio Diaz Santos
13:15-13:30	Remembrance of AGN models past: Learning the physical conditions	Aswin Vijayan
13:30-13:45	Revealing supermassive black holes in the early universe using photometric variability	Alice Young

13:45-15:30	Lunch break
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Afternoon session D4 chair:		
15:30-15:45	Broad-Line AGN at $3.5 < z < 6$: The Black Hole Mass Function and a Connection with Little Red Dots	Anthony Taylor
15:45-16:00	Discovery of two $z \sim 6.5$ post-quasar galaxies in large ionised	Romain

	bubbles	Meyer
16:00-16:15	Revolutionizing the Study of Reionization-Era Quasar Environments with ASPIRE	Jackie Champagne
16:15-16:30	Seeking the rise of the first Massive Black Holes: evidence for an early super-Eddington growth?	Alessandro Trinca
16:30-16:45	Placing a Compact, Red AGN at $z=7.27$ in Perspective - A First Measurement of LRD-Galaxy Clustering at Cosmic Dawn	Jan-Torge Schindler
16:45-17:00	The X-rays Strike Back: unlocking the formation of SMBHs in quasars at early cosmic times	Alessia Tortosa
17:00-17:30	Posters and coffee break	
17:30-17:45	Physical Pathways for JWST-Observed Supermassive Black Holes in the Early Universe	Junehyoung Jeon
17:45-18:00	The role of ISM substructure in shaping multiphase AGN outflows	Samuel Ward
18:00-19:00	Discussion panel: AGN	Hannah Übler, Yuichi Harikane, Dominika Wylezalek, Dale Kocevski

Friday May 16, 2025

Morning session D5 chair:		
09:00-09:15	Invited	Mirco Curti
09:15-09:30		
09:30-09:45	Spatially resolved properties of ionized outflows in star-forming galaxies from $z = 3$ to 9	Bruno Rodríguez del Pino
09:45-10:00	REBELS with ALMA & JWST: The build-up of massive galaxies in the early Universe	Lucie Rowland
10:00-10:15	3,000 H α emitters at $z \sim 4-7$: a new tracer of galaxy build-up in the first ~ 1.5 Gyr	Alba Covelo Paz
10:15-10:30	Old stellar populations and hot gas in the most distant galaxies - JWST/MIRI results from the MIDIS-RED project.	Jens Melinder
10:30-10:45	Exploring Galaxy Interactions in the Early Universe through Resolved H α Emission	Carlota Prieto Jiménez
10:45-11:00	Gas-phase metallicity gradients in galaxies at $z \sim 6-8$	Giacomo Venturi
11:00-11:30	Posters and coffee break	
11:30-11:45	The cold gas of star-forming galaxies at cosmic noon	Ivanna Langan
11:45-12:00	The peculiar emission properties of high-redshift galaxies as a constraint on early galaxy formation physics	Harley Katz
12:00-12:15	Revealing the parsec-scales details of high- z star-forming systems with JWST	Matteo Messa
12:15-12:30	Efficient Ionizers with Low H-beta+[OIII] Equivalent Widths: JADES Spectroscopy of a Peculiar High- z Population	Isaac Laseter
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
13:00-13:15	Probing chemical enrichment in star-forming galaxies using oxygen and argon abundances	Souradeep Bhattacharya
13:15-13:30	Tracing the chemical enrichment pathways of high-redshift star-forming galaxies	Thomas Stanton
13:30-13:45	The burstiness and mass dependence of star formation in low mass	Claudia

	galaxies at $z \sim 4-5$	di Cesare
13:45-14:00	Closing remarks and adjourn	

117 15 minutes slots: 29.25 hours. 9 invited, 4.5 hours. That's 99 talks remaining. 4 hours of discussion, 16 slots, that leaves 83 talks

Irene:

- General comments: lunch breaks from 13:00-15:00 and then second coffee break from 16:30-17:00
- 30min slot for two poster prize talks, that's 81 talks