

Monday

Setting the stage: Physical processes in galaxy evolution

Chair: S. Mei

9:00-9:15 S. Mei Welcome

9:15-9:40 P. Madau Unsolved Problems in Galaxy Formation

9:40-10:05 C. Hayward Galaxy evolution from hydrodynamical simulations: what have we learned about the physical processes governing galaxy evolution?

10:05-10:30 B. Henriques Galaxy evolution from semi-analytic models: what have we learned about the physical processes governing galaxy evolution?

Coffee break

11:00-11:25 A. Renzini Massive galaxy growth and quenching: what did we learn and what we would like to know – Observations

11:25-11:50 A. Dekel Massive galaxy growth and quenching: what did we learn and what we would like to know – Modeling

11:50-12:15 F. Bournaud Bulge Growth Through Disc Instabilities

12:15-12:35 C. Mancini The role of rejuvenation in shaping the high-mass end of the main sequence

Lunch

Chair: M. Carollo

14:00 – 14:25 C. Conselice – Environment and Merging in Galaxy Formation and Transformations

14:25 – 14:50 M. Huertas-Company – Investigating the link between quenching and bulge growth with artificial intelligence

14:50 -15:10 M. Pannella A further look into quenching: tearing apart the Main Sequence into its bulge, disk and gas content

15:10-15:35 R. Gobat Star formation in $z > 1.4$ early-type galaxies

Coffee break

16:00 – 16:15 An. Citro Investigating the star-formation quenching across cosmic time

16:15 -16:30 A. Beifiori Tracing the evolution of passive galaxies at $z \sim 1.4$

16:30 – 16:45 An. Gargiulo The distinct build-up of dense and normal massive passive galaxies

16:45 – 17:00 L. Oldham Red nuggets grow inside-out: evidence from gravitational lensing

17:00 – 17:20 R. van der Burg Towards Understanding the Origin and Evolution of Ultra-Diffuse Galaxies

18:00-20:00 Welcome cocktail - Salle Marie Curie, Espace des Cordeliers, 15 Rue de l'École de Médecine, 75006 Paris

Tuesday

How do the most massive galaxies grow and quench? Environmental quenching

Chair: A. Fontana

9:00-9:25 H. Mo Relationships between galaxies, dark matter halos and large-scale structure

9:25-9:50 J. Tinker Environment doesn't matter. Except where it does

9:50-10:15 P. Behroozi Understanding the Connection between Galaxy and Halo Assembly from $z=0$ to $z=10$

10:15-10:40 S. More The boundaries of dark matter halos: theory and observations

Coffee break

11:00-11:25 D. Thomas The role of environment in stellar mass growth

11h25:11:50 J. van de Sande The build-up of mass and angular momentum in galaxies across morphology and environment with SAMI

11:50-12:10 M. Fossati Witnessing the onset of environmental quenching at $z\sim 2$. Results and implications from KMOS^{3D}/3D-HST

12:10 – 12:30 L. Kawinwanichakij Effect of local environment and stellar mass on galaxy quenching at $0.5 < z < 2.0$

Lunch

Chair: T. Kodama

14:00-14:25 N. Hatch What distant clusters can tell us about galaxy evolution

14:25-14:40 G. Noirot The CARLA survey

14:40-15:00 V. Strazzullo Galaxy evolution on the high-redshift tail of SZ-selected clusters

15:00-15h20 J. Woo Quenching and Structural Change in Group and Cluster Environments

15:20 – 15:35 R. Coogan The molecular gas content of star-forming galaxies in a $z\sim 2$ cluster as seen by JVLA and ALMA

Coffee break

16:00-16:20 P. Jablonka SEEDisCS: galaxy transformations in the cosmic web around galaxy clusters

16:20-16:40 G. Castignani Galaxy Clusters around $z\sim 1-2$ Low Luminosity Radio Galaxies

16:40-17:00 G. Rudnick The molecular gas properties of $z=1.62$ proto-cluster galaxies

17:00-17:20 T. Wang Witnessing the onset of environmental dependence of massive galaxy formation in a distant X-ray cluster at $z=2.51$

17:20-17:40 H. Umehata An extremely rich group of starbursts and AGNs at a $z=3.1$ proto-cluster core

17:40-17:55 M. Lee Cold gas kinematics of star forming galaxies at high- z cluster forming epoch

17:55-18:10 Al. Khostovan Clustering Properties of [OIII] and [OII] emitters over the past 12.5 Gyrs: investigating the dependencies between line luminosities and stellar mass

Wednesday

Do we understand the cosmic star formation history? Cosmic quenching

Chair: H. Ferguson

9:00-9:25 D. Elbaz Star formation: what did we learn from observations and what we would like to know

9:25-9:45 J. Silverman The FMOS-COSMOS survey: physical properties of star-forming galaxies close to the peak epoch of mass assembly

9:45-10:10 M. Onodera Metallicity and ionization condition of ISM in star-forming galaxies at high redshift

10:10-10:25 T. Suzuki Star-forming activity and interstellar medium conditions of the [OIII]-selected galaxies before the peak epoch

Coffee Break

11:00-11:20 D. Erb Star Formation and Feedback in Low Mass Galaxies at $z \sim 2$

11:20-11:35 T. Parikh Stellar Initial Mass Function in Stacked Spectra of Early-Type Galaxies

11:35-11:55 M. Carollo The MUSE Atlas of Disks: Dissecting local disks on <100 pc scales

11:55-12:15 S. Kassin The Assembly of Disk Galaxies: From Keck to JWST

12:15-12:35 F. Hammer The role of mergers in galaxy formation

Lunch

Chair: C. De Breuck

14:00-14:25 M. Volonteri AGN feedback from the first black holes to the local Universe

14:25-14:50 S. Lilly Quenching and the co-evolution of black holes and galaxies

14:50-15:10 M. Hirschmann Mechanical and radiative AGN feedback drive powerful, galactic outflows in cosmological simulations of massive galaxies

15:10-15:35 G. Rodighiero The average Black Hole Accretion Rate of normal star-forming, starburst and quiescent galaxies up to $z=3.5$

Coffee break

16:00-16:25 D. Wylezalek Observational signatures of AGN feedback across cosmic time

16:25-16:45 D. Kocevski Elevated AGN Activity at the Quenching Threshold at $z \sim 2.5$

16:45-17:10 P. Salome AGN positive feedback

17:10 -17:25 A. Audibert Probing the gas fuelling and outflows in nearby AGN with ALMA

17:25-17:45 N. Nesvadba High-redshift star formation at the limit: Self-regulated growth of the most vigorously star-forming high- z galaxies seen with Planck

17:45 – 18:00 D. Goddard Stellar Population Gradients as a function of Galaxy Environment

Thursday

Baryon cycle

Chair: A. Cimatti

9:00-9:25 F. Combes Star formation efficiency

9:25-9:50 X. Prochaska Baryon cycle

9:50-10:15 M. Swinbank The KMOS Galaxy Evolution Survey: The Evolution of Disk Dynamics over the last 10-Gyr

10:15-10:35 W. Rujopakarm ALMA and JVLA imaging of intense galaxy-wide star formation in $z \sim 2$ galaxies in the HUDF: bridging SMGs to the Main Sequence

Coffee Break

11:00- 11:25 O. Le Fevre – The progenitors of discs and compact galaxies at $2 < z < 6$ (VUDS)

11:25-11:45 P. Cassata Probing the molecular gas content of normal star-forming galaxies at $3 < z < 3.5$ with ALMA

11:45-12:05 M. Novak Cosmic star-formation history since $z \sim 5$ and faint radio populations based on the VLA-COSMOS 3 GHz Large Project

12:05-12:25 T. Contini First insights into the dynamics of low-mass galaxies over cosmic time with MUSE

Lunch

Chair: F. Combes

14:00-14:25 J. Geach The evolution of gas in and around young galaxies

14:25 – 14:45 L. Armillotta The survival of cold gas in the Circumgalactic Medium

14:45 – 15:00 F. Leclercq Probing the circum-galactic gas around individual high redshift galaxies with MUSE

15:00-15:20 M. Ginolfi Molecular gas accreting onto massive high redshift galaxies

15:20-15:35 C. Bertemes Cross-calibrating CO- and dust-based gas masses and their dependence on environment

Coffee break

16:00-16:20 K. Tadaki Rotating starburst cores in the most massive galaxies at $z=2$.

16:20-16:35 A. Puglisi Starburst galaxies at high redshift: what can we learn from their rest-frame optical spectrum?

16:35 – 16: 55 J. Freundlich Molecular gas reservoirs during the winding-down of star formation

16:55-17:20 M. Jarvis Galaxy Evolution with the MeerKAT MIGHTEE survey

17:20-17:40 J. Wagg Galaxy Evolution with SKA

Friday

Do we know how the first galaxies formed?

Chair: P. Madau

9:00-9:25 G. Illingworth Galaxies at Cosmic Dawn: Implications for JWST from Exploring the First Billion Years with Hubble and Spitzer

9:25-9:50 P. Oesch Early Galaxy Build-up and the End of the Dark Ages: Hubble's Legacy into the JWST Era

9:50-10:10 L. Aaron Yung Galaxy Formation at Extreme Redshifts: Semi-analytic Model Predictions and Challenges for Observations

10:10-10:35 A. Jaskot Ionizing Photon Production and Escape in Extreme Starbursts

Coffee break

11:00-11:20 F. Fontanot Strong stellar-driven outflows shape the evolution of galaxies at cosmic dawn

11:20-11:40 R. Bouwens A View of Extremely Low-Luminosity Galaxies in the Early Universe using the Hubble Frontier Fields Program

11:40-12:00 R. Amorin Early phases of galaxy assembly revealed by young star-forming dwarfs at $z \sim 3$

12:00-12:20 M. Stefanon SED properties of galaxies at $z \sim 5-10$

Lunch

Chair: E. Daddi

The future

14:00-14:15 M. Oguri Clusters of galaxies in Subaru HSC survey

14:15-14:30 J. Gardner Galaxy Evolution with JWST

14:30-14:45 A. Cimatti Galaxy Evolution with Euclid

14:45-15:00 H. Ferguson Galaxy Evolution with WFIRST

15:00-15:15 O. Le Fevre Galaxy Evolution with PFS

15:15-15:30 M. Cirasuolo Galaxy Evolution with MOONS

Coffee break

16h00-16h15 S. Driver WAVES: A $z < 1$ dark matter and galaxy evolution survey with 4MOST

16h15-16h30 S. Juneau Galaxy Evolution with DESI

16h30-17h30 H. Ferguson Summary and conclusions