

Galaxy evolution across environments: connecting observations and simulations Schedule

Talks

Thursday 14h15-15h45

14h15 (Invited): The baryon cycle in group and cluster satellites (Yannick Bahe)

14h35: Galactic dust formation and evolution across cosmological environments (*Alice Ferreira*)

14h47: Environmental Dependences of IR-Bright AGN Incidence in Massive Galaxy Clusters (*Benjamin Floyd*)

14h59: The Influence of QSOs on the $z \sim 6$ LAE Luminosity Function Using Resolved Spectroscopy (*Akshara Binu*)

15h11: Extreme environments in the early Universe: engines of advanced galaxy evolution (*Callum Witten*)

15h23: Peculiar Velocities from DESI: A New Resource for Studying the Local Universe (*Caitlin Ross*)

15h35 8 Short Talks of 1 minute each (Runyu Liao, María Candela Zerbo, Amir H. Khoram, Daniel Thomas, Victoria Fawcett, Jake Howard, Steven Ramnichal, Cameron James Sharp). Poster titles included below.

Thursday 16h15-17h45

16h15(Invited): Multi-Scale Pathways to Galaxy Quenching (Sean McGee)

16h35: The effect of void-centric distance on galaxy evolution (*Ana M. Conrado*)

16h47: Environmental dependence of galaxy evolutionary histories: the dominant role of local density (*Callum O'Kane*)

16h59: Building an Observable Universe from simulations: Multi-wavelength Galaxy Evolution ($z \approx 0$ to 10) in Euclid-Scale Volumes. (*Paurush Punyasheel*)

17h11: Learning the Cosmic Web: Inferring Cosmic Web Environments of Galaxies from DESI (*Dakshesh Kololgi*)

17h23: Does galaxy morphology play a role in the evolution of the inner dark matter halo?
(Online) (*Sioree Ansar*)

17h35: 9 Short Talks of 1 minute each (Astha Chaturvedi, Mahdiah Navabi, Uzay Aydın, Chiaki Kobayashi, Fergus Henstridge, Elizabeth Stanway, Arjun Chawla, Will McClymont, Christopher J. R. Rowe). Poster titles included below.

Friday 09h00-10h30

09h00 (Invited): Anisotropic satellite galaxy quenching in massive clusters (John Stott)

09h20: Up to 75% of disc galaxies are featureless at $3 < z < 7$ (*Rebecca Smethurst*)

09h32: Developing environments -- abandoned cosmic graveyards at cosmic noon (*Amir H. Khoram*)

09h44: The role of the environment on galaxy evolution with the J-PAS survey (Online)
(*Julio E. Rodríguez-Martín*)

09h56: The effect of the extragalactic environment on the evolution of S0-type galaxies
(Online) (*Larissa Okiyama*)

10h08: What can activity tell us about the evolution of S0 galaxies across environments?
(Online) (*Josep L. Tous*)

10h20: 8 Short Talks of 1 minute each (Liliana Altamirano-Dévora, María Candela Zerbo, Amara Mighty, Matheus Agenor (online), James Kostas Ray, Joey Duckworth, Marcin Glowacki, Joshua Bishop). Poster titles included below.

Posters

- iMaNGA: a virtual IFU survey based on TNG50 hydro-dynamical simulations (Daniel Thomas)
- Environmental dependence on elemental abundances in simulated galaxies (Chiaki Kobayashi)
- Burst, quench, repeat: the physical drivers of extreme galaxy properties at Cosmic Dawn (Will McClymont)
- Photometric Prediction of Star Formation Rates in Starburst Galaxies: A Machine Learning Approach in the Era of Large Surveys (Uzay Aydın)
- Constraining the formation pathways of kinematically distinct cores in group and cluster galaxies. (Runyu Liao)
- Death by Impact: Evidence for Merger-driven Quenching in a Collisional Ring Galaxy at Cosmic Noon (Amir H. Khoram)

- RAGERS: the interaction between high-redshift radio galaxies and their surrounding protoclusters environments (Fergus Henstridge)
- MockKATs: Mock MeerKAT HI samples from the Simba and COLIBRE simulations (Marcin Glowacki)
- Studying the effect of Fornax like cluster environments on its galaxies using TNG-50 simulations (Arjun Chawla)
- Halfway to cosmic noon: New HI windows on environmentally driven galaxy evolution with MeerKAT (Joshua Bishop)
- Environmental Dependence of Galaxy Properties in COLIBRE (Jake Howard)
- Contrasting Importance of Local Density vs Large Scale Environment on Galaxy Evolution (María Candela Zerbo)
- Quantifying star formation in galaxy mergers across mass ratios: TNG50 and idealized models (Online) (Matheus Ajenor)
- Likelihood-Free Inference for Inferring Galaxy Physical Properties from Images (James Kostas Ray)
- What do we mean by Stellar Mass? The impact of the stellar pre-main sequence on stellar population synthesis (Elizabeth Stanway)
- Panchromatic modelling of resolved high-z galaxy observations using Bayesian Neural Networks (Steven Ramnichal)
- Environment as the Origin of Plateau and Scatter in the Stellar Mass-Metallicity relationship (Astha Chaturvedi)
- Connecting observations and simulations of Small Magellanic Clouds (Mahdiah Navabi)
- The Missing Geometric Dichotomy: Chemical Structure in Simulated Milky Way-like Galaxies (Joey Duckworth)
- Are dusty quasars in an evolutionary phase? (Victoria Fawcett)
- Extracting dark matter profiles from stellar and gas kinematics in Virgo spiral galaxies. (Cameron James Sharp)
- Which Galaxies Enrich the Intergalactic Medium? (Christopher J. R. Rowe)
- Tracing Moderate-Luminosity AGN Across Galaxy Groups and Cosmic Voids (Liliana Altamirano-Dévora)
- Environmental effects on the chemical properties of baryons across halo mass in IllustrisTNG-Cluster simulations (María Candela Zerbo)
- IMF variations across the DESI BGS galaxy populations (Amara Mighty)