PROGRAM

as of November 19, 2019

MONDAY 18/11

09:00 - 09:30
REGISTRATION

09:30 - 09:45
WELCOME

09:45 - 10:15 Rachel Somerville *(Flatiron Institute)*
Opening Talk

10:15 - 10:30 Clotilde Laigle *(Institut Astrophysique de Paris)*
The Horizon-AGN Virtual Observatory: how well can we estimate galaxy redshifts, masses and SFR from SED-fitting of broad-band photometry?

10:30 - 10:45 Marc Huertas-Company *(IAC - OBSPM)*
Confronting the theory of galaxy formation with observations with generative models

10:45 - 11:00 Rhea-Silvia Remus *(University Observatory Munich)*
How to Decipher a Galaxy's Assembly History from its Stellar Populations, Kinematics, and Metallicities: Insights from the Magneticum Simulations

11:00 - 11:30
COFFEE BREAK

11:30 - 12:00 Andrew Battisti on behalf of Elisabete da Cunha
Current challenges in modelling the SEDs of high-z galaxies

12:00 - 12:15 Alexander de la Vega *(Johns Hopkins University)*
Testing dust attenuation assumptions in spatially resolved galaxies with CANDELS

12:15 - 12:30 Emma Curtis Lake *(Kavli Institute of Cosmology, Cambridge)*
Modelling the mass-SFR relation at high redshifts - future constraints from JWST

12:30 - 12:45 William Bowman *(The Pennsylvania State University)*
The Properties of z ~ 2 Emission-line Galaxies from MCSED

12:45 - 13:00 Adam Carnall *(Royal Observatory Edinburgh)*
Inferring physical parameters from spectroscopy with BAGPIPES

13:00 - 14:15
LUNCH BREAK

14:15 - 14:45 Viviana Acquaviva *(CUNY / University of Barcelona)*
How can machine learning help measure the physical properties of galaxies?

14:45 - 15:00 Sebastian Turner *(Liverpool John Moores University)*
Testing a cosmological galaxy simulation with unsupervised machine learning

(T) 15:00 - 15:15 Daniel Masters *(JPL/Caltech)*
Maximizing the information from imaging surveys of the 2020s

(T) 15:15 - 15:30 Yannick Copin *(Institut de Physique Nucléaire de Lyon - Université Lyon 1)*
Forward modeling of galaxy kinematics in slitless spectroscopy

(Sf) 15:30 - 15:45 Sandro Tacchella *(Center for Astrophysics | Harvard)*
The challenge of combining photometric and spectroscopic data: measuring quenching timescales

(🖼) 15:45 - 16:00
POSTERS GALLERY

(☕) 16:00 - 16:30
COFFEE BREAK

(💬) 16:30 - 17:15 Shoubaneh Hemmati
DISCUSSION ON NEW TECHNIQUES

(E) 17:15 - 17:30 Marziye Jafariyazani *(University of California, Riverside)*
Combining spatially resolved photometric and spectroscopic measurements to constraint evolution of non-local galaxies

(E) 17:30 - 17:45 Bianca Iulia Ciocan *(University of Vienna, Department of Astrophysics)*
The slow quenching of CLASH RXJ2248-4431 cluster galaxies as traced by their gas phase metallicities

(Sf) 17:45 - 18:00 Luca Costantin *(Centro de Astrobiología (CSIC-INTA))*
A few StePS forward in unveiling the complexity of galaxy evolution

TUESDAY 19/11

(Sf) 09:30 - 10:00 Christina Williams *(University of Arizona)*
A brief (~2 billion year) formation history of massive galaxies

(Sf) 10:00 - 10:15 Kartheik Iyer *(Dunlap Institute)*
Galaxy Evolution Probed through Observationally Reconstructed Star Formation Histories

(Sf) 10:15 - 10:30 Chiara Mancini *(University of Padova/INAF-OAPd)*
Rejuvenated galaxies with very old bulges at the origin of the bending of the main sequence and of the ``green valley"

(Sf) 10:30 - 10:45 Lucia Pozzetti *(INAF - OAS Bologna)*
Reconstruction of galaxy physical properties and Star Formation Histories of high-z star forming galaxies: from VANDELS to WEAVE/STEPS and MOONS

(Sf) 10:45 - 11:00 Kiyoaki Christopher Omori *(Nagoya University)*
Investigating the Spatially Resolved Star Formation Histories of Interacting Galaxies using MaNGA Data

(☕) 11:00 - 11:30
COFFEE BREAK

(Sf) 11:30 - 11:45 Vivienne Wild *(University of St Andrews)*
The star formation histories of rapidly quenched galaxies at z~1

11:45 - 12:00 Stefano Zibetti *(INAF-Osservatorio Astrofisico di Arcetri)*
From points to galaxies: learning from IFS surveys of nearby galaxies

12:00 - 12:15 Ivana Damjanov *(Saint Marys University and Harvard-Smithsonian CfA)*
Active evolution of passive galaxies in the last six billion years

12:15 - 13:00 Eric Gawiser
DISCUSSION ON SFH

13:00 - 14:15
LUNCH BREAK

14:15 - 14:45 Carl Ferkinhoff *(Winona State University)*
The Long Wavelength School of Measuring Galaxy Physical Properties

14:45 - 15:00 Darko Donevski *(SISSA, Trieste, Italy)*
Characterising the very distant, dusty star-forming galaxies in deep extragalactic fields

15:00 - 15:15 Vasily Kokorev *(DAWN, University of Copenhagen)*
In Search of Molecular Hydrogen, constraining the gas content of star forming galaxies.

15:15 - 15:30 Wouter Dobbels *(Ghent University)*
Dust and stellar property estimates via machine learning techniques

15:30 - 15:45 Quirino D'Amato *(INAF/IRA, DIFA (University of Bologna))*
On the dust and gas content of high-redshift galaxies hosting obscured AGN in the CDF-S

15:45 - 16:00
POSTERS GALLERY

16:00 - 16:30
COFFEE BREAK

16:30 - 17:00 Anna Rita Gallazzi *(INAF-Osservatorio Astrofisico di Arcetri)*
Metal abundances of galaxy stellar populations: estimates and implications for galaxy evolution

17:00 - 17:15 Sarah Leslie *(Leiden University)*
Disk inclination: a painful bias when measuring galaxy properties, but a useful tool for constraining dust geometry.

17:15 - 17:30 Ivana Barisic *(Max Planck Institute for Astronomy)*
A novel approach to measure dust attenuation law at z~1

17:30 - 17:45 Zachary Pace *(University of Wisconsin - Madison)*
Resolved and Integrated Stellar Masses in the SDSS-IV/MaNGA Survey from PCA Fits

17:45 - 18:00 Nima Chartab Soltani *(University of California, Riverside)*
The Role of the Environment in Star Formation Activity

WEDNESDAY 20/11

09:00 - 9:30 Ylva Götberg *(Carnegie Observatories)*
Advances in our understanding of massive stars and how that affects spectra of stellar populations

09:30 - 09:45 Margherita Talia *(University of Bologna)*
The VANDELS view on the inter-stellar medium in SFGs at z>2.5

09:45 - 10:00 Nor Pirzkal *(STScI)*
Resolved Star Formation in Galaxies Using Slitless Spectroscopy

10:00 - 10:15 Fergus Cullen *(IfA, University of Edinburgh)*
The stellar mass-metallicity relation at 2.5 < z < 5.0 with VANDELS

10:15 - 10:30 Marcella Longhetti *(INAF - Osservatorio Astronomico di Brera - Milano)*
Metallicity gradients in quiescent galaxies at z~2

10:30 - 11:00
COFFEE BREAK

11:00 - 11:15 Kathryn Grasha *(Australian National University)*
The Most Massive Stars do the Most Damage: Improving Stellar and Photoionized Models in HII Regions

11:15 - 11:30 Shuang Zhou *(Tsinghua university)*
Bayesian modelling and analyzing galaxy spectra with BIGS

11:30 - 11:45 Núria Salvador-Rusiñol *(Instituto de Astrofísica de Canarias)*
Tiny fractions of young stellar populations in massive ETGs

11:45 - 12:00 Carlos Barbosa *(Steward Observatory)*
A multilevel Bayesian framework to study spatially resolved galaxies

12:00 - 12:15 Sree Oh *(Australian National University)*
Kinematically disentangling bulges and disks using IFS data

12:15 - 13:00 Claudia Maraston & Elizabeth Stanway
DISCUSSION ON STELLAR POPULATION MODELS

13:00
FREE AFTERNOON

THURSDAY 21/11

09:30 - 10:00 Paul Torrey *(University of Florida)*
Bridging the divide between simulations and observations

10:00 - 10:15 Xiangcheng Ma *(University of California, Berkeley)*
Confronting cosmological simulations with upgraded observations of distant galaxies

10:15 - 10:30 Sidney Lower *(University of Florida)*
Ground-Truthing SED Fitting Methods in Galaxy Observations

10:30 - 10:45 Ana Trcka *(Ghent University)*
EAGLE in SKIRT versus DustPedia: physical properties from simulated and observed galaxies

10:45 - 11:00 Joel Leja *(Center for Astrophysics | Harvard)*
A Hierarchical Model of Galaxy Formation from Prospector

11:00 - 11:30
COFFEE BREAK

11:30 - 11:45 Robert Feldmann *(University of Zurich)*
How to deal with incomplete and uncertain data: The star forming sequence of galaxies

11:45 - 12:30 Sarah Wellons
DISCUSSION ON SIMULATIONS

12:30 - 12:45 Lamiya Mowla *(Yale University)*
Breaking the law: A revised view of the relation between the sizes and masses of galaxies since z~3

12:45 - 13.00 Marianna Annunziatella *(Tufts University)*
Fantastic Beasts and Where to Find Them: Monster Galaxies at z>3 and their characterization

13:00 - 14:15
LUNCH BREAK

14:15 - 14:45 Arjen van der Wel *(Ghent University)*
LEGA-C: Stellar Populations and Stellar Kinematics of Massive z~1 Galaxies

14:45 - 15:00 Emiliano Merlin *(INAF - OAR)*
Properties of high redshift passive galaxies: number density and contribution to the cosmic star formation history

15:00 - 15:15 Paola Santini *(INAF - Osservatorio Astronomico di Roma)*
Selection and confirmation passive galaxy candidates in the early (z>3) Universe

15:15 - 15:30 Nushkia Chamba *(Instituto de Astrofisica de Canarias)*
The size of galaxies in an era of ultra-deep imaging

15:30 - 15:45 Katherine (Wren) Suess *(University of California, Berkeley)*
Color gradients are responsible for most of the evolution in the mass-size relatio

15:45 - 16:00 Vicente Estrada-Carpenter *(Texas A&M)*
Stellar Population Properties of Massive Quiescent Galaxies Derived from Deep Hubble Space Telescope Grism Data

16:00 - 16:30
COFFEE BREAK

16:30 - 16:45 Paolo Saracco *(INAF - Osservatorio Astronomico di Brera)*
Stellar age and metallicity estimates of (ultra)massive galaxies over ~12 billion years

16:45 - 17:30 Amber Straughn
DISCUSSION ON MASSIVE GALAXIES

20:00
SOCIAL DINNER

FRIDAY 22/11

09:30 - 10:00 James Aird *(University of Leicester)*
Connecting the physical properties of AGN and galaxies

(A) 10:00 - 10:15 Myrto Symeonidis *(MSSL-UCL)*
The impact of AGN on our understanding of galaxy evolution

(T) 10:15 - 10:30 Yunkun Han *(Yunnan Observatories, Chinese Academy of Sciences)*
Modelling and interpreting the multi-wavelength spectral energy distributions of galaxies with machine learning and Bayesian inference

(E) 10:30 - 10:45 Ray Sharma *(Rutgers University)*
Evidence of Black Hole Feedback in Simulated Dwarf Galaxies

(A) 10:45 - 11:00 Ena Choi *(Columbia University, Korea Institute for Advanced Study)*
Simulations and mock observations of Active Galactic Nuclei and their hosts

(☕) 11:00 - 11:30
COFFEE BREAK

(▱) 11:30 - 11:45
POSTERS PRESENTATION

(T) 11:45 - 12:15 Michaela Hirschmann *(DARK, Niels Bohr Institute, University of Copenhagen)*
Black holes, AGN and their spectral observables in state-of-the-art cosmological simulations

(A) 12:15 - 12:30 Ivan Delvecchio *(CEA-Saclay)*
Low Accretion Signatures of AGN Emission (LASAGNE): recipes from the radio

(A) 12:30 - 12:45 Qingling Ni *(Pennsylvania State University)*
Does black-hole growth depend fundamentally on host-galaxy compactness?

(E) 12:45 - 13:00 Matthew Bayliss *(MIT/University of Cincinnati)*
Strong Lensing Assisted Observations of X-Ray Emission From Young Stellar Populations at Cosmic Noon

(🍴) 13:00 - 14:15
LUNCH BREAK

(▱) 14:15 - 14:30
POSTERS PRESENTATION

(A) 14:30 - 14:45 Bryan Terrazas *(Harvard-Smithsonian Center for Astrophysics)*
The relationship between black hole mass and galaxy properties: clues to the physics behind quiescence

(A) 14:45 - 15:00 Ian McCheyne *(University of Sussex)*
Using deep LOFAR data measure the far infrared radio correlation and the effect of AGN on star formation

(💬) 15:00 - 15:45 Myrto Symeonidis
DISCUSSION ON AGN

(≡) 15:45 - 16:00
WRAP UP