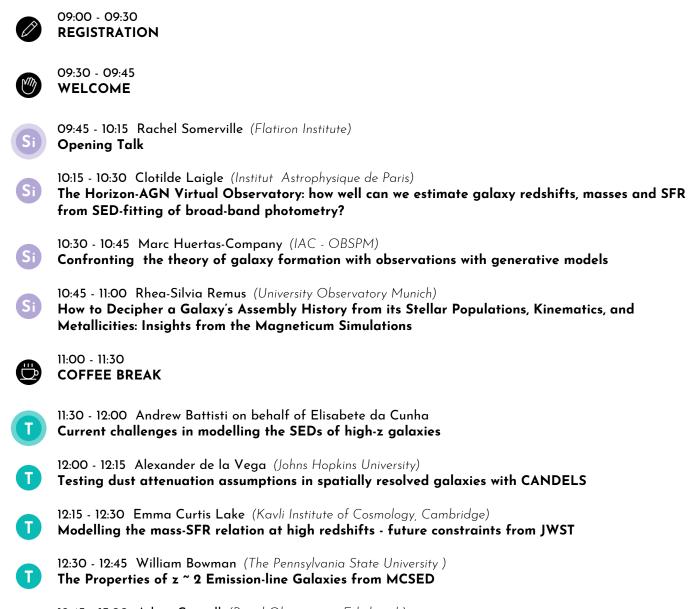
THE ART OF MEASURING GALAXY PHYSICAL PROPERTIES

# PROGRAM

as of November 19, 2019

#### MONDAY 18/11



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



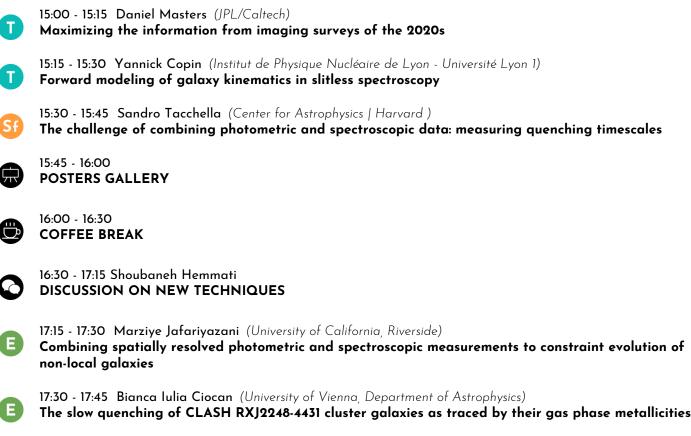
13:00 - 14:15 LUNCH BREAK



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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



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

- 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
- 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"
- 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
- 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

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

Sf	11:45 - 12:00 Stefano Zibetti (INAF-Osservatorio Astrofisico di Arcetri) From points to galaxies: learning from IFS surveys of nearby galaxies
Sf	12:00 - 12:15 Ivana Damjanov (Saint Marys University and Harvard-Smithsonian CfA) Active evolution of passive galaxies in the last six billion years
Ø	12:15 - 13:00 Eric Gawiser DISCUSSION ON SFH
₽	13:00 - 14:15 LUNCH BREAK
D	14:15 - 14:45 Carl Ferkinhoff (Winona State University) The Long Wavelength School of Measuring Galaxy Physical Properties
E	14:45 - 15:00 Darko Donevski (SISSA, Trieste, Italy) Characterising the very distant, dusty star-forming galaxies in deep extragalactic fields
D	15:00 - 15:15 Vasily Kokorev (DAWN, University of Copenhagen) In Search of Molecular Hydrogen, constraining the gas content of star forming galaxies.
D	15:15 - 15:30 Wouter Dobbels (Ghent University) Dust and stellar property estimates via machine learning techniques
A	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
D	16:30 - 17:00 Anna Rita Gallazzi (INAF-Osservatorio Astrofisico di Arcetri) Metal abundances of galaxy stellar populations: estimates and implications for galaxy evolution
D	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.
D	17:15 - 17:30 Ivana Barisic (Max Planck Institute for Astronomy) A novel approach to measure dust attenuation law at z~1
D	17:30 - 17:45 Zachary Pace (University of Wisconsin - Madison) Resolved and Integrated Stellar Masses in the SDSS-IV/MaNGA Survey from PCA Fits
D	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

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D	09:30 - 09:45 Margherita Talia (University of Bologna) The VANDELS view on the inter-stellar medium in SFGs at z>2.5
D	09:45 - 10:00 Nor Pirzkal (STScI) Resolved Star Formation in Galaxies Using Slitless Spectroscopy
D	10:00 - 10:15 Fergus Cullen (IfA, University of Edinburgh) The stellar mass-metallicity relation at 2.5 < z < 5.0 with VANDELS
D	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
St	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
St	11:15 - 11:30 Shuang Zhou (Tsinghua university) Bayesian modelling and analyzing galaxy spectra with BIGS
St	11:30 - 11:45 Núria Salvador-Rusiñol (Instituto de Astrofísica de Canarias) Tiny fractions of young stellar populations in massive ETGs
T	11:45 - 12:00 Carlos Barbosa (Steward Observatory) A multilevel Bayesian framework to study spatially resolved galaxies
St	12:00 - 12:15 Sree Oh (Australian National University) Kinematically disentangling bulges and disks using IFS data
0	12:15 - 13:00 Claudia Maraston & Elizabeth Stanway DISCUSSION ON STELLAR POPULATION MODELS



### THURSDAY 21/11

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

- Si 10:00 10:15 Xiangcheng Ma (University of California, Berkeley) Confronting cosmological simulations with upgraded observations of distant galaxies
- Si 10:15 10:30 Sidney Lower (University of Florida) Ground-Truthing SED Fitting Methods in Galaxy Observations
- Si 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



### FRIDAY 22/11

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

