

MARCH 29 - APRIL 1, 2022

LARGE-VOLUME SPECTROSCOPIC ANALYSES

OF AGN AND STAR FORMING GALAXIES IN THE ERA OF JWST

Tuesday, March 29, 2022

9:00-9:20	POSTER VIEWING	GatherTown.com
9:20-9:30	WELCOME	<b>Welcome from Ken Sembach, STScI Director</b>
		<b>Welcome and Introduction from Organizers</b>
9:30-9:50	Invited Speaker Michele Cappellari	Overview of the pPXF method and science
9:50-10:05	Tanio Diaz-Santos	CAFE-NG: The Next Generation of the Continuum And Feature Extraction tool
10:05-10:20	Eric Martínez-García	Significant issues when fitting spatially resolved star-forming galaxies.
10:20-10:35	Wilfried Mercier	MockinG: a new tool to model galaxy dynamics and mass distribution from integral field spectroscopy data
10:35-11:00	BREAK	
11:00-11:20	Invited Speaker Dzhuliya Dashtamirova	Bayesian Evidence Analysis Tool
11:20-11:35	Igor Zinchenko	ELF3D: a parallel code for emission line fitting
11:35-11:50	Giacomo Venturi	The properties of ionized outflows and the role of low-power, compact jets in local AGN under the integral field eye of VLT/MUSE
11:50-12:05	Matilde Mingozi	AGN outflows in ram-pressure stripped galaxies
12:05-1:00	Lunch Break	
1:00-1:30	LIGHTNING POSTER TALKS	
1:30-2:20	WORKSHOP	pPXF – Michele Cappellari
2:20-2:40	BREAK	
2:40-3:30	WORKSHOP	BEAT – Dzhuliya Dashtamirova
3:30-4:00	POSTER VIEWING	GatherTown.com

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# LARGE-VOLUME SPECTROSCOPIC ANALYSES OF AGN AND STAR FORMING GALAXIES IN THE ERA OF JWST

Wednesday, March 30, 2022

9:00-9:30	POSTER VIEWING	GatherTown.com
9:30-9:50	Invited Speaker Anne Medling	LZIFU: the spectral analysis tool for lazy astronomers
9:50-10:05	Adrian Bittner	The GIST Framework: A Multi-Purpose Tool for the Analysis and Visualisation of (Integral-field) Spectroscopic Data
10:05-10:20	Matthew Selwood	Automatic Spectral Analysis of Type 2 AGN with QSFIT
10:20-10:35	Alice Concas	Ionised gas outflows at Cosmic Noon: a new physically-motivated method
10:35-11:00	BREAK	
11:00-11:20	Invited Speakers Patrick Ogle/ Camilla Pacifici	Jdaviz: An interactive visual data analysis tool in the Jupyter platform
11:20-11:35	Vital Fernández	LiMe: A Line Measuring library for the chemodynamic treatment of ionized gas.
11:35-11:50	ChangHoon Hahn	Accelerated Bayesian Galaxy SED Modeling using Machine Learning
11:50-12:05	Kyle Westfall	The SDSS-IV/MaNGA Data Analysis Pipeline
12:05-1:00	Lunch Break	
1:00-1:30	LIGHTNING POSTER TALKS	
1:30-2:20	WORKSHOP	<a href="#">LZIFU</a> – Anne Medling
2:20-2:40	BREAK	
2:40-3:30	WORKSHOP	<a href="#">specutils/Jdaviz</a> – Patrick Ogle & Camilla Pacifici
3:30-4:00	POSTER VIEWING	GatherTown.com

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# LARGE-VOLUME SPECTROSCOPIC ANALYSES

## OF AGN AND STAR FORMING GALAXIES IN THE ERA OF JWST

Thursday, March 31, 2022

9:00-9:30	POSTER VIEWING	GatherTown.com
9:30-9:50	Invited Speaker Sebastian Sanchez	Pipe3D, a pipeline for IFS galaxy surveys
9:50-10:05	Roger Wesson	ALFA: automated line fitting algorithm
10:05-10:20	Rubén García-Benito	PyJIN: direct method abundances for large surveys
10:20-10:35	Yasha Kaushal	Stellar velocity dispersions determine the path: A census of star formation histories of star-forming and quiescent galaxies at $0.6 < z < 1$ with LEGA-C and Bagpipes
10:35-11:00	BREAK	
11:00-11:20	Invited Speaker Remington Sexton	BADASS - An automated spectral fitting pipeline in Python for Galaxies and Quasars.
11:20-11:35	Caroline Bertemes	The MIR fitting capabilities of q3dfit, a PSF deconvolution and spectral analysis tool in the wake of JWST
11:35-11:50	Andrey Vayner	Fitting rest-frame UV and optical IFS data with Q3Dfit for JWST
11:50-12:05	Rebecca Davies	Spatial and Spectral Decomposition of Star Formation, AGN Activity, and Shocks in IFU Data
12:05-1:00	Lunch Break	
1:00-1:30	LIGHTNING POSTER TALKS	
1:30-2:20	WORKSHOP	<a href="#">Pipe3D</a> – Sebastian Sanchez
2:20-2:40	BREAK	
2:40-3:30	WORKSHOP	<a href="#">BADASS</a> – Remington Sexton
3:30-4:00	POSTER VIEWING	GatherTown.com

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# LARGE-VOLUME SPECTROSCOPIC ANALYSES OF AGN AND STAR FORMING GALAXIES IN THE ERA OF JWST

Friday, April 1, 2022

9:00-9:30	POSTER VIEWING	GatherTown.com
9:30-9:50	Invited Speaker J.D. Smith	PAHFIT at 15 years: The Past, Present, and Future of Mid-Infrared Spectral Modeling of Galaxies
9:50-10:05	Christiaan Boersma	The NASA Ames PAH IR Spectroscopic Database
10:05-10:20	Alexandros Maragkoudakis	Linking Characteristics of the Polycyclic Aromatic Hydrocarbon Population with Galaxy Properties: A Quantitative Approach Using the NASA Ames PAH IR Spectroscopic Database
10:20-10:35	Stephanie Juneau	Elucidating the impact of galaxy substructure on AGN feedback with IFU observations
10:35-11:00	BREAK	
11:00-11:20	Ciro Pappalardo	Stellar age and metallicity of galaxies in spectral synthesis methods
11:20-11:35	Adam Carnall	Bayesian Analysis of Galaxies for Physical Inference and Parameter Estimation
11:35-11:50	Christophe Morisset	How Neural Networks can boost nebular analysis
11:50-12:05	Elizabeth Tarantino	Modeling Ionized Gas at Low Metallicities: The Wolf-Rayet Emission Nebula N76
12:05-1:00	Lunch Break	
1:00-1:30	POSTER VIEWING	GatherTown.com
1:30-2:20	WORKSHOP	PAHFIT – J.D. Smith
2:20-2:40	BREAK	
2:40-4:00	RODEO	