

IFUs In The Era of JWST

Tuesday, October 26th

8:30-9:00	BREAKFAST – Café Azafrán
<i>Session 1:</i>	<i>Introduction to IFUs and Current Instruments (Chair: Mark Westmoquette)</i>
9:00-9:15	Welcome: Matt Mountain (Director STScI)
9:15-10:05	<u>The Coming of Age of IFUs: The Story So Far</u> <i>Roger Davies (University of Oxford)</i>
10:05-10:25	<u>First Results From the Wide Field Spectrograph (WiFeS)</u> <i>Michael Dopita (RSAA, The Australian National University)</i>
10:25-10:45	<u>SpIOMM and SITELLE: Wide-field Imaging Fourier Transform Spectrometers</u> <i>Laurent Drissen (Université Laval)</i>
10:45-11:15	Tea/Coffee Break & Poster Viewing (Cafecon - Room N201A)
11:15-11:35	<u>The Thorny Road of Innovation: 10 Years of Science with PMAS at Calar Alto</u> <i>Martin Roth (Astrophysikalisches Institut Potsdam)</i>
11:35-11:55	<u>Grasping in the Dark: IFUs for Studying Galaxy Disks</u> <i>Matt Bershady (University of Wisconsin)</i>
11:55-12:15	<u>Studying the Assembly of Galaxies with MUSE</u> <i>Lutz Wisotzki (Astrophysikalisches Institut Potsdam)</i>
12:15-12:35	<u>Science with the SWIFT IFU</u> <i>Lisa Fogarty (University of Oxford)</i>
12:35-14:00	Lunch Break
<i>Session 2:</i>	<i>Science with IFUs – I (Chair: Katrina Exter)</i>
14:00-14:40	<u>Galactic Star Formation Science with Integral Field Spectroscopy</u> <i>Tracy Beck (STScI)</i>
14:40-15:00	<u>High Contrast Observations with Slicer Based Integral Field Spectrographs</u> <i>Matthias Tecza (University of Oxford)</i>
15:00-15:30	Tea/Coffee Break & Poster Viewing (Cafecon - Room N201A)
15:30-16:10	<u>Mapping the Far-IR Atomic and Molecular Coolants From the ISM in the Here and Now: The Herschel-PACS Spectrometer</u> <i>Phil Appleton (NASA Herschel Science Center, Caltech)</i>
16:10-16:30	<u>IR Spectroscopy From Space: A HST/WFC3 Grism View of Starforming Galaxies</u> <i>Benjamin Weiner (University of Arizona, Stewart Observatory)</i>
16:30-16:50	<u>Investigating the Chemical Homogeneity of Low-Metallicity Blue Compact Dwarf Galaxies Using Integral Field Spectroscopy</u> <i>Bethan James (STScI)</i>
16:50-17:10	<u>A Detailed 2D Spectroscopic Study of the Central Region of NGC 5253</u> <i>Ana Monreal-Ibero (Instituto de Astrofísica de Andalucía)</i>
17:10-17:40	<u>Open Discussion</u>
17:40.	<u>FINISH</u>
18:00-20:00	WELCOME RECEPTION – Café Azafrán

Wednesday, October 27, 2010

8:30-9:00	BREAKFAST – Café Azafrán
<i>Session 3:</i>	<i>IFU Data Reduction and Analysis (Chair Linda Smith)</i>
9:00-9:20	<u>Extracting Information From Data Cubes with PCA Tomography: Applications to Nearby AGN</u> <i>João Steiner (Universidade de São Paulo)</i>
9:20-9:40	<u>Galaxy Evolution in 3D and the Pitfalls of Reducing Your GMOS IFU Data</u> <i>James Turner (Gemini Observatory)</i>
9:40-10:00	<u>Integral-Field Spectroscopy Data Reduction Made Easy with p3d</u> <i>Christer Sandin (Astrophysikalisches Institut Potsdam)</i>
10:00-10:50	<u>IFU Data Analysis Techniques for Particular Science Application - DISCUSSION</u> <i>James Larkin/Katrina Exter</i>
10:50-11:20	Tea/Coffee Break & Poster Viewing (Cafecon – Room N201A)
<i>Session 4:</i>	<i>Science with IFUs - II</i>
11:20-12:00	<u>Stellar and Gas Kinematics Around Nearby AGN Mapped with IFU Observations</u> <i>Thaisa Storchi-Bergmann (Instituto de Física – UFRGS, Brazil)</i>
12:00-12:20	<u>An Optical and Near-IR Integral Field Spectroscopic Survey of Luminous and Ultraluminous Infrared Galaxies</u> <i>Santiago Arribas (CSIC)</i>
12:20-13:50	Lunch Break
<i>Session 5:</i>	<i>Science with IFUs – III (Chair: Lee Armus)</i>
13:50-14:10	<u>IFU Studies of Gravitationally Lensed z=2-3 Galaxies: A Preview of Science With Next Generation Facilities</u> <i>Tucker Jones (Caltech)</i>
14:10-14:30	<u>2D Kinematics and Physical Properties of Distant Galaxies</u> <i>Marie Lemonie-Busserolle (Gemini Observatory)</i>
14:30-14:50	<u>Resolved Metallicity Gradients and the Role of AGN in High-Redshift Star Forming Galaxies</u> <i>Shelley Wright (University of California, Berkeley)</i>
14:50-15:10	<u>Turbulence and Kinematics of High Star Formation Rate Galaxies</u> <i>Karl Glazebrook (Swinburne University)</i>
15:10-15:30	<u>Bridging the IFU Redshift Desert: The Kinematics of Star Formation Across Cosmic Time</u> <i>Andy Green (Swinburne University)</i>
15:30-16:00	Tea/Coffee Break & Poster Viewing (Cafecon – Room N201A)
16:00–17:00	<u>STScI Colloquium: The Growth of Galaxies at z~2: Insights From IFU Surveys</u> <i>Natascha Förster-Schreiber (Max-Planck-Institut)</i>
17:15	<u>FINISH</u>

Thursday October 28, 2010

8:30-9:00	BREAKFAST – Café Azafrán
<i>Session 6:</i>	<i>Science with IFUs – IV (Chair: Tracy Beck)</i>
9:00-9:20	<u>High Spatial Resolution via Low Redshift</u> <i>Rob Sharp (RSAA, Australian National University)</i>
9:20-9:40	<u>Studying Star Formation with Integral Field Spectroscopy Across Cosmic Time: From Nearby Spiral Galaxies to High Redshift Lyman Alpha Emitters</u> <i>Guillermo Blanc (University of Texas, Austin)</i>
9:40-10:00	<u>Deployable IFU Observations of Galaxies in a Merging System of Groups at $z \sim 0.35$ with VLT FLAMES/GIRAFFE</u> <i>Emily Freeland (Texas A&M University)</i>
10:00-10:20	<u>The Sites of Gamma-Ray Bursts and Supernovae in Their Host Galaxies</u> <i>Lise Christensen (Excellence Cluster Universe, TUM)</i>
10:20-10:50	Tea/Coffee Break & Poster Viewing (Cafecon – Room N201A)
<i>Session 7:</i>	<i>Future Science with IFUs (Chair Jay Gallagher)</i>
10:50-11:30	<u>Future Perspectives for IFU Science in the Era of JWST</u> <i>James Larkin (UCLA)</i>
11:30-11:50	<u>GMTIFS- An AO-Corrected Integral-Field Spectrograph and Imager for the Giant Magellan Telescope</u> <i>Peter McGregor (RSAA, Australian National University)</i>
11:50-12:10	<u>HARMONI – A Potential First Light IFS for the E-ELT</u> <i>Fraser Clark (University of Oxford)</i>
12:10-12:30	<u>Massively Multiplexed IFU Surveys With Hexabundles and FIREBALL</u> <i>Scott Croom (University of Sydney)</i>
12:30-14:00	Lunch Break
14:00-14:40	<u>IFUs on JWST</u> <i>Torsten Boeker (European Space Agency)</i>
14:40-15:00	<u>IFU Performances For Distant Supernovae For Cosmology in Space</u> <i>Anne Ealet (CPPM/CNRS, France)</i>
15:00-15:20	<u>Prospects of Integral Field Spectroscopic Studies of Active and Luminous Star-Forming Galaxies with JWST</u> <i>Luis Colina (CSIC)</i>
15:20-15:40	<u>Closing Remarks</u> <i>Jay Gallagher (University of Wisconsin-Madison)</i>
15:40-16:00	Tea/Coffee Break & Poster Viewing (Cafecon – Room N201A)
16:00	<u>WORKSHOP END</u>