

Conference Agenda

Monday, December 9, 2024		
15:00-18:00	Registration (Hotel Lobby)	LOC
Tuesday, December 10, 2024		
Opening Ceremony		
08:00-18:00	Registration (Hotel Lobby)	LOC
09:00-09:10	Wiphu Rujopakarn & Sophia Dai: Opening Remarks	
Session 1: Interplay of AGN and host galaxies 09:10-10:50		
Time	Speaker: Title	Chair
30 mins	Roberto Maiolino (Invited): The interplay between black holes and their host galaxies across the cosmic epochs	Y. Sophia Dai
30 mins	Fengwu Sun (Invited): Spectroscopically Complete Census of Obscured Cosmic Star Formation at $z=4-6$	
30 mins	Mingyang Zhuang: NEXUS: the North ecliptic pole EXtragalactic Unified Survey	
10:50-11:00	Coffee Break	
Session 1: Interplay of AGN and host galaxies (continued) 11:00-12:30		
30 mins	James Dunlop (Invited): Introduction to the JWST PRIMER survey	Jiasheng Huang
20 mins	Ismael Garcia-Bernete: Molecules as powerful tracers of galaxy evolution: unveiling their survival and resilience in AGN with JWST	
10 mins	Devang Haresh Liya: Does the dusty obscuring structure of AGN evolve with cosmic time? An exploration using resolved JWST photometry from CEERS	
10 mins	Piaoran Liang: Morphological study of a LIRG-dominated sample at $z\sim 1$	
10 mins	Labani Mallick: Accreting Massive Black Holes at the Center of Galaxies and their Impact on Small Sub-pc to Large Galactic Scales	
12:30-14:00	Lunch Break	
Session 2: AGN and BH accretion across cosmic time 14:00-15:30		

Time	Speaker: Title	Chair
30 mins	Jian-Min Wang (Invited): Star formation and evolution in AGN accretion disks	TBD
20 mins	Y.Sophia Dai: AGNs and mergers in Infrared-bright galaxies	
10 mins	Zijian Li: AGNs in the infrared regime: from Spitzer to JWST	
10 mins	Mahoshi Sawamura: No Galaxy-Scale [C II] Outflow in the z=6.72 Red Quasar Revisited by ALMA	
10 mins	Benedetta Dalla Barba: Interaction of the relativistic jet and the narrow-line region of PMN J0948+0022	
15:30-15:45	Coffee Break	
Session 2: AGN and BH accretion across cosmic time (continued) 15:45-17:25		
20 mins	Xuebing Wu: An ultra-luminous quasar with the most massive black hole in the early Universe: recent updates	TBD
20 mins	Chao-Wei Tsai: Extreme Dust Obscured Quasars at Low-Redshift	
20 mins	Hui Li: RIGEL: Simulating dwarf galaxies at solar mass resolution with radiative transfer and feedback from individual massive stars	
10 mins	Vineet Ojha: Host galaxy imaging of gamma-ray detected Narrow-line Seyfert 1 galaxies	
10 mins	Luca Crepaldi: Unprecedented extreme high-frequency radio variability in early-stage AGN	
10 mins	Marco Albán: Mapping AGN winds: a connection between radio-mode AGN and the AGN feedback cycle	
17:30-18:00	Discussion (led by Luis Ho)	

Wednesday, December 11, 2024

Session 3: Galaxy and star formation across cosmic time 9:00-10:30		
Time	Speaker: Title	Chair
30 mins	Dimitra Rigopoulou (Invited): Polycyclic Aromatic Hydrocarbons near and far: the JWST view	TBD
20 mins	Lei Hao: Metal Cycling in Galaxies and Quasars	
20 mins	Qiusheng Gu: Molecular gas in star-forming lenticular galaxies	
10 mins	Yixiao Liu: Lyman alpha emitters at z~3 through the eyes of JWST/NIRCam	

10:30-10:50	Group Photo and Coffee break	
Session 3: Galaxy and star formation across cosmic time (continued)		
10:50-12:30		
30 mins	Haojing Yan (Invited): Pushing the redshift frontier of galaxy formation	TBD
20 mins	Kotaro Kohno: Resolved Study of a Sub-L* Galaxy at $z = 6$ Uncovered by the ALMA Lensing Cluster Survey	
20 mins	Pierre Cox: A Comprehensive Redshift Survey of the Brightest Herschel Galaxies	
20 mins	Yongquan Xue: Investigation of Stellar Kinematics and Ionized Gas Outflows in Local (U)LIRGs	
12:30-14:00	Lunch Break	
Session 3: Galaxy and star formation across cosmic time (continued)		
14:00-15:30		
Time	Speaker: Title	Chair
30 mins	Yuri Nishimura (Invited): Molecular line emission from local U/LIRGs and its implications for galaxies at cosmic noon	TBD
20 mins	Yongda Zhu: Investigating Potentially Strong Outflows Across Cosmic Time Using JADES Multi-Band Images	
10 mins	Zhengyi Chen: Revealing GMCs in a superbright lensed Dusty Starburst at Cosmic Noon	
10 mins	Yan Lu: Exploring Dusty Star Formation with JWST: Advancing Photometric Redshifts Using Infrared Spectral Features	
10 mins	POSTER FLASH TALK	
15:30-15:45	Coffee Break	
Session 4: The Ecosystem of Gas and Dust (1)		
15:45-17:25		
30 mins	Cheng Li (Invited): The ecosystem of gas and dust in nearby galaxies	TBD
20 mins	Yi-Kuan Chiang: Cosmic Infrared Background Tomography: Revealing the Full Spectrum with Thermal Dust, CO, and CII over $0 < z < 4$	
20 mins	Pranav Kukreti: Connecting the AGN life-cycle to feedback using multi-frequency surveys	
10 mins	Ziming Peng: Data - Model Discrepancy in Emission Line Ratio Diagnostics for Star-forming Galaxies from MaNGA	
10 mins	Yu Lei: Dark matter distribution of present-day galaxies combining IFU and integrated HI spectrum	
17:30-18:00	Discussion (led by David Elbaz)	

18:30-20:00	BANQUET (Location TBA)
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Thursday, December 12, 2024

Session 4: The Ecosystem of Gas and Dust (1) (continued)
9:00-10:50

Time	Speaker: Title	Chair
30 mins	Yipeng Jing (Invited): Gravitational Lensing by Massive galaxies and their steep dust profiles	TBD
20 mins	David Elbaz: Dust attenuation at high redshift: should we be surprised?	
20 mins	Stefano Berta: The N2CLS survey: the evolution of the dust cosmic density since $z \sim 7$, as seen by NIKA2	
20 mins	Shiyin Shen: The Chocolate Chip Cookie Model: dust distribution in diffuse ISM and HII regions	
10 mins	Peixin Zhu: Separating Star Formation, Active Galactic Nuclei, and Shocks in Galaxies	

10:50-11:00 Coffee Break

Session 5: Massive Galaxies and Quenching
11:00-12:40

30 mins	Tao Wang (Invited): Black holes regulate cool gas accretion and quenching in massive galaxies	TBD
20 mins	Cai-Na Hao: Ultraviolet Properties of Optically-selected Red Spirals	
10 mins	Tao Jing: The Origin of Quenched but Gas-rich Regions at Kiloparsec Scales	
10 mins	Yaru Shi: A Very Wide-Field Red Galaxy Survey ($0.5 < z < 1.3$)	
10 mins	Yang Li: Origin of Low Star Formation Efficiency in Quiescent Galaxies with Gas Reservoir	
10 mins	Xiao Li: The HI gas properties of a representative red galaxy sample	

12:40-13:30 Lunch Break

Friday, December 13, 2024

Meeting Intermission

Saturday, December 14, 2024

Session 6: Bridging Simulations and Observations
9:00-10:40

Time	Speaker: Title	Chair
30 mins	Houjun Mo (Invited): The hierarchical formation of baryonic structure: star clusters, black holes and galaxies	TBD
20 mins	Hong Guo: The Cold Gas Scaling Relations and Theoretical Explanations	
20 mins	Lizhi Xie: First quenched galaxies in the semi-analytic model	
20 mins	Min Du: Nature of Galaxies: Insights into the Mass-Angular Momentum-Size-X Relation in IllustrisTNG	
10:40-10:55	Coffee Break	
Session 6: Bridging Simulations and Observations (continued) 10:55-12:35		
30 mins	Feng Yuan (Invited): Numerical Study of AGN feedback	TBD
20 mins	Paramita Barai: The many faces of AGN Feedback: Negative versus Positive effects on Star Formation	
20 mins	Hassen Yesuf: Beyond Cosmological Simulations: Uncovering Physical Mechanisms Influencing Gas Ecosystems in Nearby Galaxies	
10 mins	Haoen Zhang: Three-Dimensional Simulations of AGN Feedback with the New MACER3D Model	
10 mins	Junkai Zhang: SE3D: a novel approach to self-consistently model panchromatic, spatially resolved galaxy observations	
12:35-14:00	Lunch Break	
Session 7: The Ecosystem of Gas and Dust (2) 14:00-15:40		
Time	Speaker: Title	Chair
30 mins	Zheng Cai (Invited): Large Metal Reservoir in the Circumgalactic Medium around High redshift galaxies	TBD
20 mins	Hideki Umehata: Accelerated growth of massive galaxies within the cosmic web filaments	
20 mins	Xin Wang: Dissecting the Baryon Cycle and ISM Properties with JWST NIRISS and NIRSpectroscopy	
10 mins	Yinghui Zheng: HI Galaxy Searches in the Commensal Radio Astronomy FasT Survey (CRAFTS)	
10 mins	Yuan Bian: Two Channels of Metal-Rich Compact Stellar System Formation: Ram Pressure Cooking and Tidal Stripping	
15:40-15:55	Coffee break	

Session 7: The Ecosystem of Gas and Dust (2) (continued) 15:55-17:25		
20 mins	Hua-bai Li: ROGER -- Remote Observing from Greenland	TBD
20 mins	Dawei Xu: A new era of AGN outbursts with the space mission SVOM	
20 mins	Jingwen Wu: NAOC HI gas and dust surveys in M31	
10 mins	Zheng Zheng: What Properties Correlate with Molecular-to-Atomic Gas Ratios in Galaxies?	
10 mins	Jiafeng Lu: A full-spectrum fitting method and dust attenuation curve	
17:30-18:00	Discussion (led by Kohno Kotaro)	

Sunday, December 15, 2024		
Session 8: Galacy pairs, protoclusters, and environment 9:00-10:30		
Time	Speaker: Title	Chair
30 mins	Cong Xu: FAST HI Observations of Stephan's Quintet	TBD
20 mins	Tadayuki Kodama: Gas and dust associated to protoclusters and their surrounding structures	
20 mins	Junyao Li: Kpc-scale dual and offset AGNs in COSMOS-Web	
10 mins	Minhang Guo: Multi-phase Gas Feeding and Feedback Mechanisms in Massive Galaxy Clusters	
10:30-10:45	Coffee break	
Session 9: Galacy pairs, protoclusters, and environment (continued) 10:45-11:45		
20 mins	Qi Guo: Distribution and motion of satellite galaxies around clusters	TBD
20 mins	Pablo Perez-Gonzalez: Jekyll, Hyde, and co.: Feedback mechanisms stopping the star formation in a pair of massive galaxies in the early Universe	
10 mins	Ziming Liu: Observation of HI around three satellite galaxies of the M31 with the FAST: Andromeda II, NGC 205, and NGC 185	
11:45-12:00	Jiasheng Huang: Closing Remarks	