

2019/9/9

08:30-09:00 Registration

09:00-09:20 Opening Remarks : Luis Ho

Morning Section / Chair : Ran Wang

I. The gas and dust contents in galaxies and their evolution

09:20-10:00 **Alessandro Boselli** **VESTIGE: A Virgo Environmental Survey Tracing Ionised Gas Emission (Invited)**

10:00-10:40 **J. Xavier Prochaska** **The Wolfe Disk (Invited)**

10:40-11:10 Tea Break

11:10-11:30 Yingjie Peng Exploring Quenching Mechanism Via Gas Content

11:30-11:50 Chengpeng Zhang Massive Quiescent Disk Galaxies Have A Surprisingly Large Atomic Gas Reservoir

11:50-12:10 James Trussler Starvation as the Primary Quenching Mechanism in Galaxies

12:10-13:30 Lunch

Afternoon Section / Chair : J. Xavier Prochaska

13:30-14:00 Poster talks

14:00-14:20 Cheng Li Mapping Gas and Dust in Nearby Galaxies

14:20-14:40 Joanna Piotrowska Role of Gas Fraction and Star Formation Efficiency in Galaxy Quenching

14:40-15:00 Christopher Faesi Tracing the ISM in Galaxies Via Extinction: The High Resolution View from PHANGS

15:00-15:20 Qiong Li Dust Emission and Environment of the Most Distant Quasars at $5.6 < z < 7.1$

15:20-15:50 Tea Break

15:50-16:10 Laura Morselli Where Galaxies Form Stars: A Multiwavelength Study of Resolved Star Formation Activity in the Past 10 Gyrs

16:10-16:40 Discussion / J. Xavier Prochaska, Cheng Li

II. ISM diagnostics and star formation

16:40-17:00 Zhiyu Zhang Top-Heavy Imf Found in Dusty Starburst Galaxies Across Cosmic Time

17:00-17:20 Chentao Yang The Interstellar Medium in High-Redshift Strongly Gravitational Lensed Galaxies

17:20-17:40 Cecilia Bacchini Volumetric Star Formation Laws of Disc Galaxies

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Morning Section / Chair : Zhiyu Zhang

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| 09:00-09:20 | XianZhong | Zheng | Star Formation and Dust Obscuration in Galaxies: A Universal Link Across Cosmic Time |
| 09:20-09:40 | Minju | Lee | Cold Interstellar Medium In Z=2.49 Protocluster Galaxies |
| 09:40-10:00 | Kathryn | Grasha | Star Clusters as The Engines of Ionization in Local Hii Regions as A Tool to Calibrate Photoionization and Star Models |
| 10:00-10:20 | Mingyang | Zhuang | A New Method to Measure Star Formation Rates in Active Galaxies Using Mid-infrared Neon Emission Lines |
| 10:20-10:50 | Tea Break | | |
| 10:50-11:30 | Karin Marie | Sandstrom | Interstellar Dust and Gas at Low Metallicity (Invited) |
| 11:30-12:00 | Discussion / Christian J. Henkel, Zhiyu Zhang | | |
| 12:00-13:30 | Lunch | | |

Afternoon Section / Chair : Giovanni Cresci

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| 13:30-14:10 | Poster Talks | | |
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III. Multiple-phase outflows and stellar and AGN feedbacks.

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| 14:10-14:50 | Luis | Ho | Constraining AGN Feedback with Ism Observations (Invited) |
| 14:50-15:10 | Andrin | Fluetsch | Ionised and Atomic Neutral Gas Outflow in Local Ulirgs With Muse: Outflows and Positive Feedback |
| 15:10-15:30 | Lei | Hao | Gas Accretion and Outflow as Viewed from Nearby Galaxies |
| 15:30-16:00 | Tea Break and Group Photo | | |
| 16:00-16:40 | Dusan | Keres | Gas flows in the CGM: accretion, stellar feedback and cosmic rays (Invited) |
| 16:40-17:00 | Thales | Gutcke | Resolving Individual Stars and Multi-Phase Galactic Clouds in A Cosmological Context |
| 17:00-17:20 | Feng | Yuan | Numerical Study of AGN Feedback on A Galactic Scale |
| 17:20-17:40 | Youichi | Ohyama | Dusty Superwind from a Galaxy with a Compact Obscured Nucleus: Optical Spectroscopic Study of NGC 4418 |

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Morning Section / Chair : Dusan Keres

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| 09:00-09:40 | Giovanni | Cresci | The Physical Properties of Agnoutflows And Their Impact on Host Galaxies from Low To Highredshift (Invited) |
| 09:40-10:00 | Christian Johann | Henkel | ALMA and the Nuclear Regions of Active Nearby Galaxies |
| 10:00-10:30 | Discussion / Luis Ho, Feng Yuan | | |

IV. Structures and dynamics of the ISM.

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| 10:30-11:00 | Tea Break | | |
| 11:00-11:40 | Filippo | Fraternali | Gas Dynamics and Angular Momentum Across the Hubble Time (Invited) |
| 11:40-12:00 | Gerhard | Hensler | Energetic and Dynamical Interactions Among the ISM Phases - What to Learn from High-Velocity Clouds |
| 12:00-12:20 | Xiangcheng | Ma | The Physical Condition of The Ism Over Cosmic Time: Lessons for Galaxy Evolution |
| 12:20-13:30 | Lunch | | |

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| 13:30-17:30 | Outing | | |
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Morning Section / Chair : Gerhard Hensler

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| 09:00-09:40 | Sedona Hancock | Price | Disk structure, turbulence, and dark matter in star-forming galaxies at $z \sim 0.7-3.8$ (Invited) |
| 09:40-10:00 | Matthias | Kühtreiber | A Multi-Phase Gas Description and its Implications for Numerical Models of Dwarf Galaxies |
| 10:00-10:20 | Francesca | Rizzo | From High Redshift Sub-Millimeter Galaxies to Early-Types in The Local Universe |
| 10:20-10:50 | Tea Break | | |
| 10:50-11:10 | Niankun | Yu | On the Determination of Rotation Velocity and Dynamical Mass of Galaxies Based on Global HI Profile |
| 11:10-11:30 | Pavel E. | Mancera Piña | The Startling Dynamics of Hi-Rich Ultra Diffuse Galaxies |
| 11:30-12:00 | Discussion / Filippo Fraternali, Sedona Price | | |
| 12:00-13:30 | Lunch | | |

Afternoon Section / Chair : Yingjie Peng

V. Gas in the halo/IGM and accretion flows.

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| 13:30-14:05 | Poster talks | | |
| 14:05-14:45 | Freeke | van de Voort | The Low-Redshift Circumgalactic Medium with Sub-Kpc Resolution (Invited) |
| 14:45-15:25 | Nikole | Nielsen | Galaxy Outflows in the Circumgalactic Medium at Cosmic Noon (Invited) |
| 15:25-15:45 | Deborah | Lokhorst | Direct Detection of The Circumgalactic Medium Using Dragonfly |
| 15:45-16:10 | Tea Break | | |
| 16:10-16:30 | Andrea | Afruni | Understanding the Cool Circumgalactic Medium of Passive Galaxies |
| 16:30-16:50 | Emanuele Paolo | Farina | The REQUIEMSurvey: A Statistical Study of Quasars' Circum-Galactic Medium at the Cosmic Dawn |
| 16:50-17:10 | Zheng | Cai | Evolution of the Circumgalactic Medium in Massive Halos from $z=3$ to $z=2$ |
| 17:10-17:30 | Yiping | Ao | Evidence of Infalling Gas in A Lyman Alpha Blob |
| 17:30-17:50 | Itzhak | Goldman | Can observations of turbulence serve as a probe of gas accretion onto galaxies? |
| 18:00-20:00 | Banquet | | |

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Morning Section / Chair : Nikole Nielsen

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| 09:00-09:20 | Thor | Tepper Garcia | The Magellanic System: the Puzzle of the Leading Gas Stream |
| 09:20-09:40 | Fulai | Guo | A Hydrostatic Model for The Hot Circumgalactic Medium of the Milky Way |
| 09:40-10:10 | Discussion / Freeke Van de Voort, Zheng Cai | | |
| 10:10-10:40 | Tea Break | | |

VI. ISM and Star Formation across the Milky Way

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| 10:40-11:20 | Cara | Battersby | ISM and Star Formation across the Milky Way (Invited) |
| 11:20-12:00 | Roberto | Galvan-Madrid | A Radio/Submm View of Massive, Deeply Embedded Clusters in Our Galaxy (Invited) |
| 12:00-13:30 | Lunch | | |

Afternoon Section / Chair : Roberto Galvan-Madrid

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| 13:30-14:00 | Poster talks | | |
| 14:00-14:20 | Di | Li | Measuring the Total Gas Mass in the Galaxy |
| 14:20-14:40 | Asger | Groennow | Magnetised Clouds in the Galactic Corona: Fuel for Future Star Formation? |
| 14:40-15:00 | Haibo | Yuan | Opportunities and Challenges of Dust Studies in the Era of Precision Galactic Astronomy |
| 15:00-15:20 | Tie | Liu | The TOP-SCOPE Survey of Planck Galactic Cold Clumps |
| 15:20-15:50 | Tea Break | | |
| 15:50-16:10 | JinLin | Han | Ionized Gas and Magnetic Fields Observed in the Milky Way |
| 16:10-16:30 | Ke | Wang | The Largest Filaments in the Milky Way and Implication on Star Formation |
| 16:30-17:00 | Discussion / Cara Battersby, Ke Wang | | |
| 17:00-17:20 | Closing | | |