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**10:15 - 10:55: Group photo and tea & coffee break** //////////////////////////////////////

## April 9<sup>th</sup> (day 1) morning II: *CGM simulations and models*

- **10:55 - 11:20:** Suoqing Ji (季索清, Shanghai Observatory): Supersonic turbulent mixing layers and their implications in the CGM
- **11:20 - 11:45:** Yangyao Chen (陈洋遥, USTC): Cooling and compression: the origin of multi-scale stellar size-mass relations in turbulent CGM and ISM
- **11:45 - 12:10:** Xi Kang (康熙, Zhejiang University): Constraining galactic baryon cycle using an empirical model for galaxy formation

**12:30 - 1:55: Lunch break (Buffet) //////////////////////////////////////**

## April 9<sup>th</sup> (day 1) afternoon I: *Galaxy conformity and environment*

1:55 - 2:00: afternoon-session warming-up //////////////////////////////////////

- **2:00 - 2:25:** Guinevere Kauffmann (MPA): Galaxy conformity and the L-Galaxies semi-analytic model
- **2:25 - 2:50:** Yong Shi (施勇, Nanjing University): A universal relationship between galaxy stellar mass and binding energy
- **2:50-3:15:** Fangzhou Jiang (姜方周, PKU-KIAA): Connection between galaxy morphology and DM halo structures in different cosmic-web locations
- **3:15-3:40:** Kai Wang (王凯, PKU-KIAA): Dissecting two-halo galactic conformity effect for central galaxies

3:40 - 4:10: tea and coffee break //////////////////////////////////////

## April 9<sup>th</sup> (day 1) afternoon II: *HI* and *FAST* observations

- **4:10 - 4:35:** Jie Wang (王杰, NAOC): HI deep survey in M31 halo region with FAST
- **4:35 - 5:00:** Jing Wang (王菁, PKU-KIAA): The radial and vertical distribution of (diffuse) HI around galaxies
- **5:00 - 5:25:** Hong Guo (郭宏, Shanghai Observatory): The comic evolution of neutral hydrogen gas
- **5:25 - 5:50:** Discussion

**6:00pm Conference dinner** //////////////////////////////////////



## **April 10<sup>th</sup> (day 2) morning I: *CGM observations***

**8:50 - 9:00: posting daily-quiz with award //////////////////////////////////////**

- **9:00 – 9:25:** Fabrizio Arrigoni Battaia (MPA): Observational perspectives on the connection between quasar's CGM and their large-scale environment
- **9:25 – 9:50:** Zheng Zheng (郑政, University of Utah): Probing the circum-galactic medium through the extended Lyman-alpha emission
- **9:50 – 10:15:** Sebastiano Cantalupo (University of Milan Bicocca): Illuminating the circum-galactic medium and the most massive nodes of the cosmic web with the help of quasar fluorescent emission

**10:15 - 10:45: tea and coffee break //////////////////////////////////////**

## **April 10<sup>th</sup> (day 2) morning II: *Baryon cycle observations***

- **10:45 - 11:10:** Zheng Cai (蔡峥, Tsinghua University): Studying the baryon cycle in high-*z* Universe through both emission and absorption
- **11:10 - 11:35:** Xin Wang (王鑫, University of CAS): Dissecting the baryon cycle and ISM properties in the most over-dense environments at Cosmic Noon
- **11:35 - 12:00:** Xinfeng Xu (徐新枫, Northwestern University): What are the general properties of ionized outflows and their feedback in local star-forming galaxies?

**12:30 - 1:55: Lunch break (Buffet) //////////////////////////////////////**

## **April 10<sup>th</sup> (day 2) afternoon I: *Groups and Clusters***

**1:55 - 2:00: Answer revealing and award //////////////////////////////////////**

- **2:00 – 2:25:** Yipeng Jing (景益鹏, Shanghai Jiaotong University): What fraction of galaxies are quenched by environment?
- **2:25 – 2:50:** Xiaohu Yang (杨小虎, Shanghai Jiaotong University): Galaxy groups and clusters: exploring the connections between galaxies and dark matter halos
- **2:50 – 3:15:** Tao Wang (王涛, Nanjing University): The assembly of massive galaxy clusters and their member galaxies over cosmic time

**3:15 - 3:45: tea and coffee break //////////////////////////////////////**

## April 10<sup>th</sup> (day 2) afternoon II: *Massive galaxies and their assembly history*

- **3:45 - 4:10:** Lan Wang (王岚, NAOC): Formation of massive disk galaxies and bulge galaxies
- **4:10 – 4:35:** Caina Hao (郝彩娜, Tianjin Normal University): Understanding the origin of massive disk galaxies with dense cores
- **4:35 – 5:00:** Ying Zu (祖颖, Shanghai Jiaotong University): What would bar a galaxy from forming a bar: weak tides or a massive halo?
- **5:00 – 5:25:** Ling Zhu (朱玲, Shanghai Observatory): Uncover galaxies' merger history combining stellar kinematics and populations
- **5:25 – 5:50:** Discussion



## April 11<sup>th</sup> (day 3) morning I: *Galaxy environment*

**8:50 - 9:00: posting daily-quiz with award** //////////////////////////////////////

- **9:00 - 9:25:** Simon White (MPA): The mass distribution in and around the Local Group of galaxies: studying its growth history in an LCDM universe
- **9:25 - 9:50:** Yingjie Peng (彭影杰, PKU-KIAA): Mass and environment as drivers of galaxy evolution
- **9:50 – 10:15:** Qi Guo (郭琦, NAOC): Distribution and motion of satellite galaxies in clusters

**10:15 - 10:45: tea and coffee break** //////////////////////////////////////

## April 11<sup>th</sup> (day 3) morning II: *Angular momentum and gas requisition*

- **10:45 – 11:10:** Min Du (杜敏, Xiamen University): Innate evolutionary pathway: insights into the mass-angular momentum-size relation
- **11:10 – 11:35:** Enci Wang (王恩赐, USTC): Understanding star formation and chemical-enrichment of galaxies in the view of gas-regulator
- **11:35 – 12:00:** Dandan Xu (许丹丹, Tsinghua University): The effect of angular momentum environment from the cold gas around galaxies

**12:30 - 1:55: Lunch break (Buffet)** //////////////////////////////////////

## April 11<sup>th</sup> (day 3) afternoon I: *AGN and feedbacks in galaxies*

1:55 - 2:00: Answer revealing and award //////////////////////////////////////

- **2:00-2:25:** Renyue Cen (岑人岳, Zhejiang University): Global preventive feedback from radio galaxies
- **2:25-2:50:** Feng Yuan (袁峰, Fudan University): AGN feedback simulation in a galactic scale based on MACER
- **2:50 – 3:15:** Lizhi Xie (谢利智, Tianjin Normal University): The first quenched galaxies, when and how?
- **3:15 - 3:40:** Yanmei Chen (陈燕梅, Nanjing University): Bi-conical outflows in the MaNGA survey

**3:40 - 4:10: tea and coffee break** //////////////////////////////////////

## April 11<sup>th</sup> (day 3) afternoon II: *Cosmic web*

- **4:10 - 4:35:** Stefania Barsanti (Australia National University): Galaxy angular momentum within the cosmic web: the study of spin-filament alignments to unravel the evolution of galaxies and their components
- **4:35 – 5:00:** Peng Wang (王鹏, Shanghai Observatory): The cosmic filament spin, boundary and its impact on galaxy spin formation and evolution
- **5:00 – 5:25:** Jiangtao Li (李江涛, Purple Mountain Observatory): Probing the He II re-ionization Era via Absorbing C IV Historical Yield (HIERACHY): project design, current status, and initial results
- **5:25 – 5:50:** Yanchuan Cai (蔡彦川, University of Edinburgh): Towards constraining gas properties in the cosmic web



## April 12<sup>th</sup> (day 4):

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