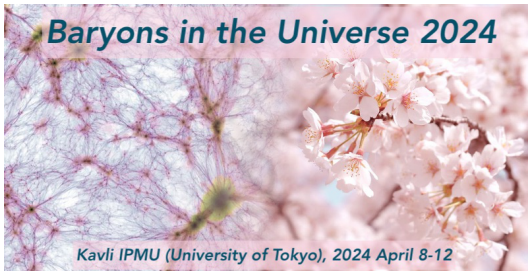

Contribution ID: **61** Type: **not specified**

Baryonic cycle around galaxies revealed by JWST and ALMA at z=2−6

Friday, 12 April 2024 14:25 (20 minutes)

I will provide some new results of about the properties of the interstellar and circumgalactic of galaxies using JWST, ALMA, Keck/KCWI and VLT/MUSE at z=2-5. The properties include the metallicity (e.g., mass-metallicity relation, signature of solar-metallicity in very low-mass galaxies, new tracers such as SIII or so), kinematics (e.g., recycled inflow, IGM metal enrichment), and morphology (e.g., multi-spiral arms at z>3). We will also discuss the environmental dependence of these properties and further study the implications of these results by detailed comparisons with cosmological simulations. Note some results have been published using public JWST data.

Presenter: CAI, Zheng