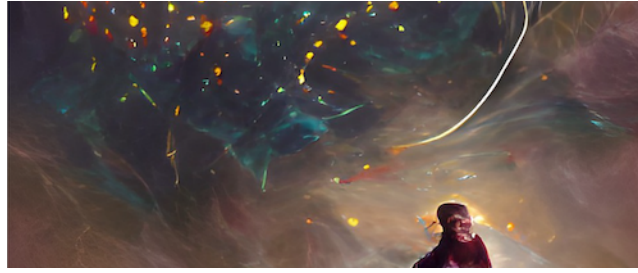


Cosmic Cartography 2022: Exploring the Cosmic Web and Large-Scale Structure



Contribution ID: 6

Type: **not specified**

Evidence for the cold-stream to hot accretion transition as traced by Ly α emission from groups and clusters at $2 < z < 3.3$

Monday, 7 March 2022 16:10 (30 minutes)

One key question encompassing galaxy formation and evolution and the growth of structures is how galaxies get their gas from the cosmic web. Our ongoing survey for distant group and clusters can be used to study these aspects, based on various observables. I will report current results based on KCWI observations of Ly α halos in our groups and clusters over $2 < z < 3.3$, as well as multiwavelength studies of their star formation and AGN content. We find evidence for a modulation of the share of baryonic accretion that remains cold as dark matter halos evolve and growth, as well as distinctive galaxy growth modes connected to accretion in the most distant structures.

Presenter: DADDI, Emanuele (CEA Paris Saclay)

Session Classification: Day 1 Afternoon