

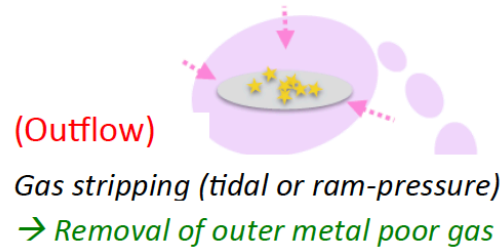
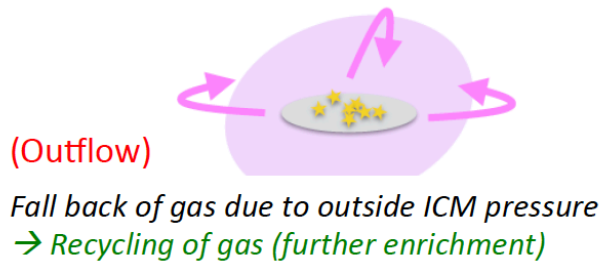
Chemical evolution of cluster galaxies at $z=1.5$ revealed with gaseous metallicity with Keck and gas mass with ALMA

P2 Daiki Kimura, Tohoku Univ.

(Proto-)Cluster galaxies

(Inflow)

A common halo rather than individual filamentary structures.
Steady, but slow gas accretion from the common halo rather than cold streams.



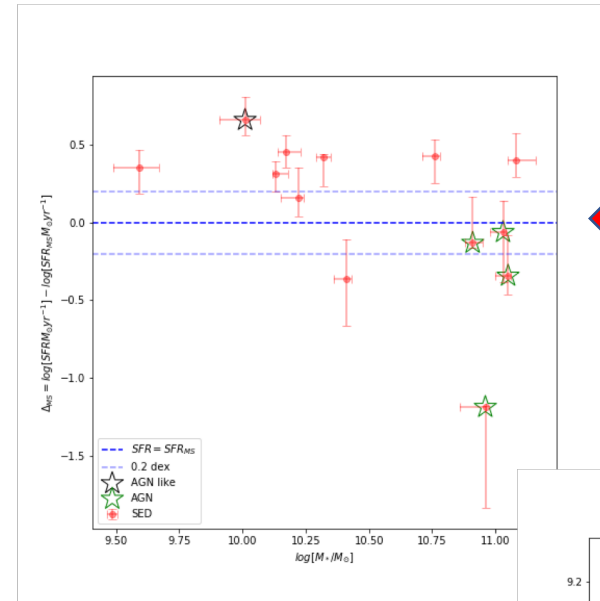
How galaxies in dense region at high- z evolve to local early type galaxies in clusters?



At high- z , cold-gas largely affects galaxy evolution and inflow/outflow, AGN feedback regulate star-forming activity.



What are the physical processes of inflow/outflow, and AGN feedback in dense regions at high- z ?



AGN feedback



Inflow Rate/
Outflow Rate

