



Spatial Resolving Galaxy Environmental Quenching in The SAMI Galaxy Survey

Presented by

Di Wang SIFA

Supervisor:

Scott Croom Julia Bryant

SAMI IFU data

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Distribution of SF in the galaxies >>>>>

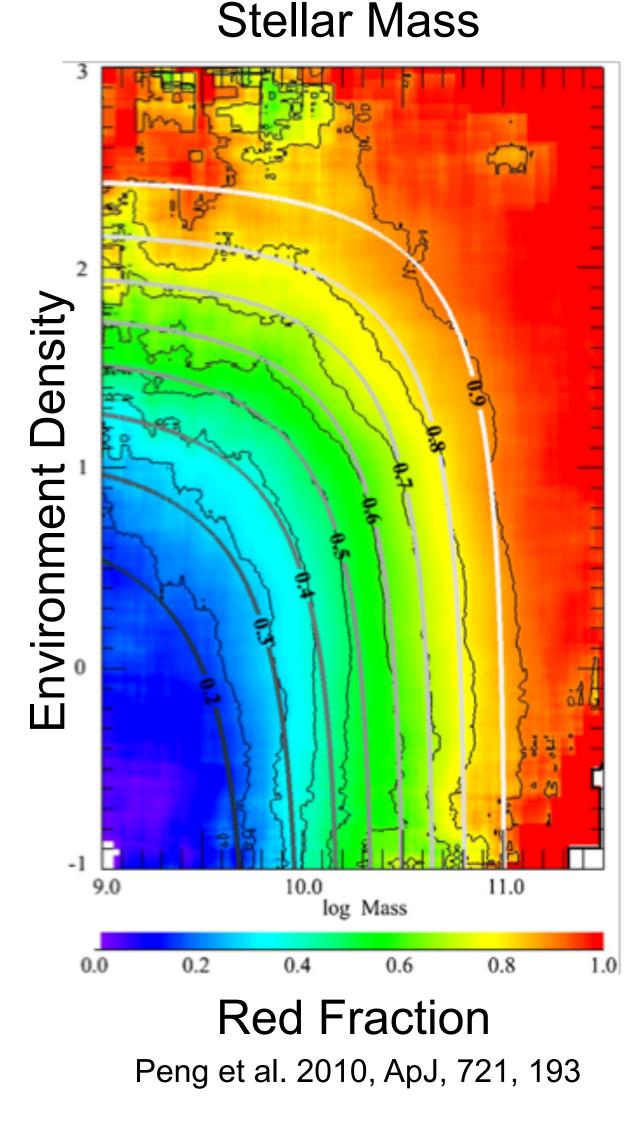
SF quenching happened insideout or outside-in in galaxies.

Background

Environmental star formation quenching is the suppression of star formation in high-density regions.

Where and how quickly is SF quenching happen vs the environment

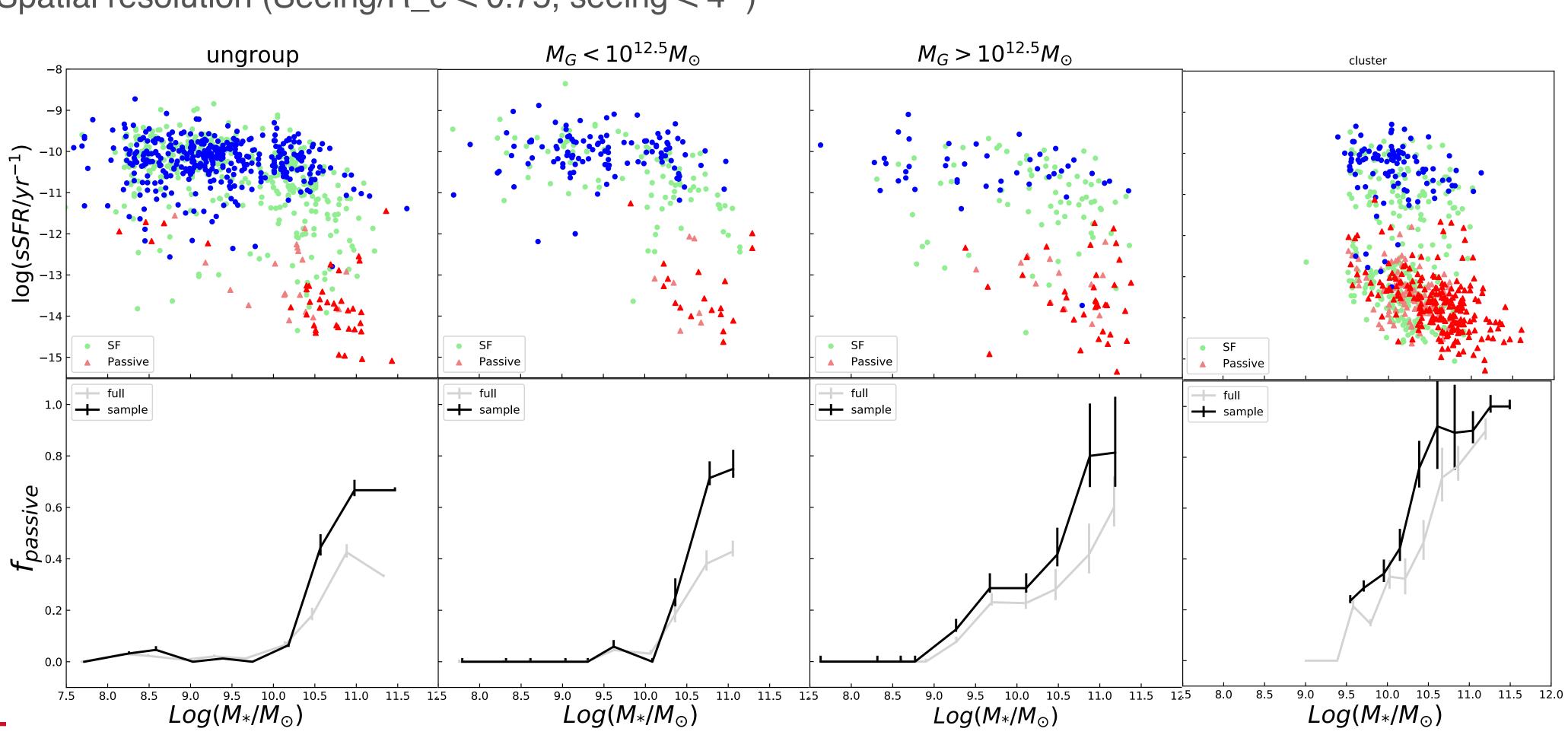
galaxy evolution.





Sample Selection: (Schaefer et al. 2019)

- SF (EWH $\alpha > 1$ Å) and Passive (EWH $\alpha < 1$ Å),
- Inclination(ellipticity value < 0.7)
- •Spatial resolution (Seeing/R_e < 0.75, seeing < 4")







Concentration Index: (Schaefer et al. 2017)

• unitless scale-radius ratio (*r*_{50,Ha}/*r*_{50,cont})

