

GAMA: The Evolution of Spiral Galaxies in the Group Environment

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Standard Paradigm:

- Galaxies are cut off from fuel from the IGM on becoming satellites. Quenching/decline of star formation
- AGN feedback controls growth of host (central) galaxy. No further effect on other (satellite) galaxies

New Results using GAMA:

- Star formation in group satellite spiral galaxies continues almost as in isolation for all group halo masses
- Presence of an AGN in a group is the primary factor quenching star formation and gas-fuelling in non-AGN-host satellite spirals in massive group halos
- First direct confirmation of AGN feedback mechanism operating through IGM to quench star formation
- Quenching only occurs in massive spirals in massive halos (M_{DMH} > 10^{13.6} M_O)

