

Cluster Mergers, Galaxy Properties and the Fate of Red Spirals

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19



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Cluster mergers leave their imprints on the galaxy population, depending on the dynamical state of the merger.

Dynamical friction → tidal galaxy-galaxy interactions

Merger shock-waves → sites of increased ram-pressure

How to disentangle from **pre-processing in galaxy groups?**

Upcoming project: **SMOGA_400**

“Spectrophotometric and morphological galaxy analyses of 400 low-redshift clusters of different dynamical state.”

Wanna know more?

Pranger, F. et al. (A&A, 2014): "Abell 2384: the galaxy population of a cluster post-merger"

Höller, H. et al. (A&A, 2014): "Metal distribution in the intracluster medium: a comprehensive numerical study of twelve galaxy clusters"

Pranger, F. et al. (A&A, 2013): "The galaxy population of the complex cluster system Abell 3921"