Ram pressure stripping in the local universe

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Résumé

The study of multifrequency surveys targetting different environments has shown the presence of galaxies suffering ongoing perturbations able to remove their gaseous content and quench their activity of star formation. These perturbing mechanisms can be divided in two main families, gravitational and hydrodynamic. The former act indifferently on all the baryonic components, the latter only on the gas component, with different effects on galaxy evolution. There are several examples where these mechanisms act together, with peculiar effects on the gaseous and stellar distributions of the perturbed systems. I will briefly review the most recent results gathered from the analysis of multifrequency data of local clusters and groups, stressing how the identification of a dominant perturbing mechanism can be incorrect whenever a single set of data is used in the analysis.

Mots-Clés: Environmental effects on galaxy evolution

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