
HI view of ram pressure stripping

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Résumé

I will present a number of recent results on the evolution of galaxies in clusters with a focus on resolved HI imaging. As part of the MeerKAT Fornax Survey, we are finding that HI rich first infallers into Fornax (a very small cluster) undergo a two-step interaction: first, tidal interaction move gas to large radius; second, the weak ram pressure of Fornax is able to further displace the HI and strip it from the galaxy. As part of GASP, we found evidence of an enhanced star formation rate per unit HI mass in both the discs and tails of optically selected jellyfish galaxies, and I will show a similar result for Coma. As part of the MeerKAT Galaxy Cluster Legacy Survey, we are studying the statistical relation between HI-selected and optically-selected jellyfish galaxies. Finally, I will show first results from the ViCTORIA survey of Virgo. I will discuss what we can expect from current and future HI surveys for the study of ram pressure stripping.

Mots-Clés: HI

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