

The effects of the ICM on gas, dust and star formation histories: lessons learned from integral-field spectroscopy at low redshift (Benedetta Vulcani) (I)

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GAs Stripping Phenomena in galaxies (GASP) is a program aimed at studying gas removal processes in nearby galaxies in different environments, using observations at different wavelengths (X, UV, optical, sub-mm, radio). The core of the program is an integral-field spectroscopic survey with MUSE at the VLT, that allows to study the spatially resolved properties of galaxies.

I will present some breakthrough results based on the GASP survey on the effects of the ICM on gas dust and star formation histories. I will focus both on specific galaxies undergoing strong gas stripping and on some general trends that help us to understand galaxy quenching and evolution in general.

I will also focus on galaxies in low density environments, showing the multitude of mechanisms that can affect the gas distribution.

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