Star Formation in Galaxies in Undergraduate ALFALFA Team Groups and Clusters ()

Hide affiliations

Poulin, Aiyana (*Physics and Astronomy, Union College, Schenectady, NY, United States*);
Libre, Max (*Physics and Astronomy, Union College, Schenectady, NY, United States*);
Koopmann, Rebecca (*Physics and Astronomy, Union College, Schenectady, NY, United States*);
Durbala, Adriana (*University of Wisconsin Stevens Point, Stevens Point, WI, United States*);
Finn, Rose A. (*Siena College, Loudonville, NY, United States*);
Haynes, Martha P. (*Cornell University, Ithaca, NY, United States*)

The Undergraduate ALFALFA Team (UAT) Groups project is a coordinated study of gas and star formation properties of galaxies in and around more than 50 nearby (z<0.03) groups and clusters of varied richness, morphological type mix, and X-ray luminosity. We aim to probe mechanisms of gas depletion and morphological transformation by considering the spatial distributions of star formation in galaxies inhabiting a wide range of group and cluster environments. Here we present recent results from our wide area Hα and broadband R imaging project carried out with the WIYN 0.9m+MOSAIC/HDI at KPNO. This work has been supported by NSF grant AST-1211005 and AST-1637339.

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