

Morphological and environmental segregation of nearby galaxies from their UV and IR colors

EGEE 2014
Poster

by Alexandre Bouquin
(Universidad Complutense de Madrid)

in collaboration with Armando Gil de Paz , Samuel Boissier , Juan-Carlos Muñoz-Mateos , Kartik Sheth , Dennis Zaritsky, Jarkko Laine , Jesús Gallego , Reynier Peletier , Benjamin R. Röck , Johan Knappen

Data: GALEX FUV and NUV, Spitzer IRAC1 (3.6 μ m) of 1941 nearby galaxies (≤ 40 Mpc) of all type.

Procedure: we constructed the (FUV - NUV) versus (NUV - 3.6 μ m) color-color diagram.

Morphological segregation: Two sequences can clearly be seen: a **Blue Sequence** composed of late-type, SF galaxies AND a **Red Sequence** composed of early-type, less-SF galaxies.

