

The distribution of morphological types in nearby clusters from the WINGS survey

Conference Poster**Author(s):**

Bettoni, Daniela; Fasano, G.; Halliday, C.; Marmo, C.; Pignatelli, E.; Poggianti, B.; Moles, M.; Varela, J.; Kjaergaard, P.; Couch, W.; Dressler, A.

Publication date:

2003

Permanent link:

<https://doi.org/10.3929/ethz-a-004582553>

Rights / license:

[In Copyright - Non-Commercial Use Permitted](#)

The distribution of morphological types in nearby clusters from the WINGS survey

Daniela Bettoni, INAF-Osservatorio Astronomico di Padova

Abstract WINGS is a two-band (B and V), wide-field imaging survey of a complete, all-sky X-ray selected sample of nearby clusters. This sample comprises 78 clusters in the redshift range $z=0.04-0.07$. The aim of this survey is to provide the astronomical community with a complete set of homogeneous, CCD-based surface photometry and morphological data of nearby cluster galaxies located within 1.5 Mpc from the cluster center. The data collection has been completed in seven observing runs at the INT and ESO-2.2m telescopes. Here we present the analysis of the morphological distribution of about ~20.000 galaxies (down to $V\sim 21$) in a subsample of ~40 clusters (See also <http://web.pd.astro.it/wings/>).