

Herschel observations of the most isolated galaxies

L. Verdes-Montenegro, U. Lisenfeld (the responsible for the pink) & AMIGA team

1) Do you need a statistically significant template to classify/understand your weird galaxy/ies?

a) No I dont mind at all.

Then forget about it!

b) I dont need it now, but I will need it sooner or later.

See c) below.

c) It is exactly what I was looking for!

Great! You will like AMIGA project: **Analysis of the Interstellar Medium of Isolated GALaxies**

Sample > 1000 galaxies selected with strict isolation criteria, quantification of small companions, lower FIR than field cfa sample (interactions minimized)

Multiwavelength database (see question 2)

2) Are you interested in the dust properties of isolated galaxies?

a) No.

Then you are at the wrong conference!

b) Yes.

Let's talk about our proposal to study dust properties and distribution of a z limited subsample of 89 isolated galaxies with SPIRE @250, 360 & 520 μm .

If your answers were c): Herschel characterization of this well defined and statistically significant sample of isolated galaxies is a must

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Revised positions: Leon & Verdes-Montenegro (2003)

LB analysis: Verdes-Montenegro et al (2005)

Morphological revision: Sulentic et al (2006)

Isolation, Ha: Verley (2006, PhD, Obs Paris)

HI, CO: Espada (2006, PhD, Univ. Granada)

FIR: Lisenfeld et al (2007)

Radiocontinuum fluxes: Leon et al (submitted)

Radio-FIR correlation, AGNs (SDSS spectra): Sabater (Master Th 2006)

Data public at www.iaa.es/AMIGA.html with VO interface