

# 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  $\mu\text{m}$ .**

**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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## **Science@IAA:**

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### PhD students:

J. Sabater  
V. Martínez

## **Soft for radio-VO@IAA:**

Staff: E. García (30%)

### Contracts:

J. Santander  
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J. E. Ruiz

## **IRAM-Granada:**

### Staff:

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H. Ungerechts

### Post-docs:

S. Leon  
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### PhD students:

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W. Brunswig  
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## **External collaborators for different parts of**

### **AMIGA:**

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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](http://www.iaa.es/AMIGA.html) with VO interface**