



PHYSICS AND ASTRONOMY SEMINAR

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“ Dwarf galaxies in LCDM: internal structure,
dust emission and distribution around host”

Abstract

"I will review the most important results from my PhD thesis, the goals of which were to explain some of the puzzles regarding dwarf galaxy properties through hydrodynamical simulations of galaxy formation in a LCDM cosmological context. In particular, I studied simulated dwarf galaxies' internal structure (i.e., mass distribution, total mass content and rotational velocities), focusing on the low mass end of the baryonic Tully-Fisher and addressing the so-called `cusp