



Jairo Méndez Abreu

Formation and Evolution of Galaxies

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I obtained my PhD from the ULL and University of Padua (Italy) in 2008. My main research topic has focused on building a comprehensive picture of the growth and evolution of the different stellar structures within a galaxy, i.e., bulges, bars, and disks. I am an expert in several key techniques to study galaxy evolution: galaxy photometry, coding his own 2D photometric decomposition algorithm; spectroscopic analysis with long-slit and IFS data, including the measurement of stellar and gas kinematics; analysis of large observational databases and individual galaxies. In general, I apply these techniques to the observational study of galaxies at low- and high-redshift to compare the in-situ and fossil approaches.