

# Calibration and Standardization of Large Surveys and Missions in Astronomy and Astrophysics



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## The CALIFA survey

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The Calar Alto Legacy Integral Field spectroscopy Area (CALIFA) survey is the largest integral field spectroscopy survey to date. Its goal is to obtain optical 3D spectroscopy data over the entire optical wavelength range for a representative sample of 600 galaxies over a period of 3-4 years. As a legacy survey the data will become public and is suited to address a wide range of different fundamental issues in galaxy evolution. A proper spectrophotometric and astrometric calibration of such a huge data-set is a challenging task given the complex nature of integral field data. Error propagation is also essential for many science applications and needs to be done carefully. I will present the current schemes applied for calibrating the CALIFA data and how we even want to improve in the future.

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