

**Título/Title:**

Stellar populations for massive disk galaxies

**Orientador/Supervisor:**

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**Descrição/Description:**

The student will conduct a series of experiments based on the Spectral Energy Distribution (SED) code Le Phare, investigating medium-band filter surveys (ALHAMBRA and SHARDS) in order to ascertain whether the stellar populations of massive spiral/disk-like galaxies are fundamentally different than lower mass disks and/or massive galaxies with different visual morphologies. The key science question to answer in this project is to give cues about why massive galaxy disk are scarce in the local Universe, where most of the most massive galaxies have early-type/spheroidal morphologies.