

Abstract:

As tracers of star formation, galaxy assembly and mass distribution, globular clusters have provided important clues to our understanding of the formation and structure of early-type galaxies. But their study has been mostly confined to galaxy clusters given their abundance in early-type galaxies; leaving the properties of the globular cluster systems (GCSs) of isolated ellipticals as a mostly uncharted territory.

Having poorer merger histories, isolated ellipticals are particularly relevant to understand the environmental influence on the formation of a GCS. In hierarchical-merging inspired models, the properties of GCSs and dark halos of host galaxies in low-density environments should be very different from their high-density counterparts. In this talk I will present results from the study of ~ 10 GCSs of isolated ellipticals using VLT/VIMOS, Gemini-S/GMOS and CTIO/MOSAIC-II imaging. Additionally, I will present first results from the commissioning of the multi-object mode of SOAR/Goodman.