

Giuseppina Battaglia

Title: The internal kinematics of Local Group dwarf galaxies

Abstract: *In this talk I will tour through the most recent findings on the internal kinematic properties of Local Group dwarf galaxies as determined from spectroscopic surveys of their resolved, evolved stellar component.*

I will focus on the information that the internal kinematic properties of dwarf galaxies can provide on the origin of the different dwarf morphological types. I will also discuss the current status on determinations of the dark matter content and distribution in these objects, with particular focus on the Milky Way dwarf spheroidals, for which the available data-sets allow the application of sophisticated mass modeling techniques.

Finally I will discuss the prospects for intermediate-resolution spectroscopy of large samples of individual stars in and beyond the Local Group with the E-ELT.