COLLOQUIA DFA A.A. 2021-2022

Galaxies at the extreme

Understanding galaxy evolution — how galaxies change over time and what processes are responsible for the variety of properties and structures we observe in galaxies today — remains one of astronomy's most active fields, involving massive efforts, both theoretical and observational.
In this talk, I will focus on one piece of the puzzle: the study of the wide diversity of galaxy properties — structure, kinematics, and stellar population — in a specific environment: the Virgo cluster. Based on a panchromatic, deep, and complete census of the galaxy population in Virgo, I will focus on "galaxies at the extreme": ultra compact dwarfs, ultra diffuse galaxies, compact ellipticals. I will discuss their connection to galaxies belonging to the main galactic sequence, and what these seemingly unusual objects can tell us about the formation of the galaxy population as a whole.

Speaker:
Laura Ferrarese

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