

Gravitational dynamical probes of the nature of dark matter in galaxies

Tuesday 18 February 2025 11:00 (30 minutes)

The hypothesis of dark matter was introduced to address observations associated with gravitational dynamics in cosmology and in galaxies. It seems natural to seek new observables that could shed light on dark matter within the same ballpark of minimal gravitational interactions, in dark matter-dominated systems. I will discuss some attempts of this type focusing on galaxies, and covering lines of research including gravitational lensing, stellar kinematics, and globular cluster dynamics.

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