



PHYSICS AND ASTRONOMY SEMINAR

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“The Illustris Project: Populating the Hubble Sequence in Cosmological Simulations”

Abstract

Cosmological simulations are among the most powerful tools available to probe the non-linear regime of cosmic structure formation. They also provide one of the most powerful testbeds for understanding the impact that feedback processes have on the evolution of galaxies. In my talk, I will present new galaxy formation simulations that couple a powerful computational approach with explicit baryon feedback prescriptions. This results in galaxy formation models that reproduce a wide range of observational