

DEPARTMENT OF PHYSICS & ASTRONOMY
COLLOQUIUM

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Galactic Archeology Near and Far

Abstract

Understanding the evolution of galaxies is critical for interpreting the stellar history and chemical enrichment of the Universe. Galaxies that lie at different distances help us fill in different pieces of the puzzle — from large statistical samples of diverse systems to our own Milky Way, which gives us a unique, up-close picture of galaxy structure and fundamental stellar physics. I will describe the Milky Way and Local Group in the context of general galactic studies and highlight recent work at the University of Utah that explores how stars and gas shape the evolution of galaxies on a wide variety of scales. With numerous new surveys on the horizon, including SDSS, WFIRST, and future data releases from Gaia, these topics promise to be fruitful avenues of research for many years to come.

FRIDAY, SEPTEMBER 6TH

JFB 101

2PM

REFRESHMENTS WILL BE SERVED IN 219 AT 1:45PM