



Department of Physics and Astronomy
SPRING 2022 Colloquium Series – virtual

“Connecting Across Scales: Simulating & Understanding the Evolving Milky Way”

Dr. Sarah Loebman

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We live inside a truly exciting astrophysical laboratory - the Milky Way galaxy - which provides a unique detailed perspective into the dynamics of stars and the physics of galaxy formation. Characterizing the stellar and dark matter content of the Milky Way and uncovering the Milky Way's formation history are key science goals of major ongoing and upcoming surveys such as SDSS-V, Gaia, and LSST. However, observations of the Milky Way span a complex multi-dimensional space which necessitates sophisticated modeling to interpret. In this talk, I will highlight some recent achievements from my group that utilize state-of-the-art simulations to provide deep insight into the Milky Way's content, formation, and evolution.

Thursday, Feb. 3, 2022

4:00 - 5:20PM

Talk will be via Zoom - contact physics@csus.edu for links
or visit our Colloquium Spotlight at www.csus.edu/physics

Open & Free to all students, faculty and public