



PHYSICS AND ASTRONOMY SEMINAR

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“Molecular gas and star nearby interacting galaxies”

Abstract

“Galaxy interactions significantly alter the star formation history of galaxies. It is well established that the global star formation rate (SFR) increases with decreasing separation between two approaching galaxies. The enhanced SFR has been attributed to the formation of non-axisymmetric structures that torque significant amounts of gas into the central regions, initiating an intense nuclear starburst. Yet there is mounting evidence for a component of extended star formation in interacting galaxies, such as the Antennae galaxies. The talk will discuss an empirical picture of the spatial extent of interaction-triggered star formation as a function merger sequence using data from the integral field spectroscopy (IFS) survey MaNGA, and the potential mechanisms of interaction-triggered star formation.”

Wednesday, June 12, 2019
12:00 p.m.
Elliott Building – Room 060