

Lonely Galaxies: The Baryon Content of Isolated Dwarf Galaxies

Environment plays a major role in the evolution of galaxies. This is particularly true of low mass dwarf galaxies where more massive galaxies dramatically affect the local gravitational potential.

Isolated galaxies offer a unique test bed for comparisons to theoretical models where the complicating physics of galaxy-galaxy

interactions are minimized. For galaxies less massive than $M_{\text{star}} < 10^9 M_{\text{sun}}$, we have shown that ending star-formation requires the presence of a more massive neighbor. I will discuss follow-up

observations to study the gas content in our isolated galaxies and discuss the implications of these results for quenching mechanisms at all scales.