

We explore High-Velocity Clouds (HVCs), building on the work of Benjamin and Danly (1997).

Our investigation focuses on four galactic rain models: 1) free-fall, 2) drag forces, 3) mass accretion, and 4) a combination of mass accretion with drag force. Our analysis sheds light on the interplay between gravitational forces, drag forces, and mass accretion processes, elucidating their combined impact on HVC trajectories. The results enhance our comprehension of the interstellar medium (ISM) and the important role of HVCs in supplying gas for star formation. This research contributes to the broader understanding of star formation rates, the evolution of galaxies, and the multifaceted interactions between galaxies and the intergalactic medium.