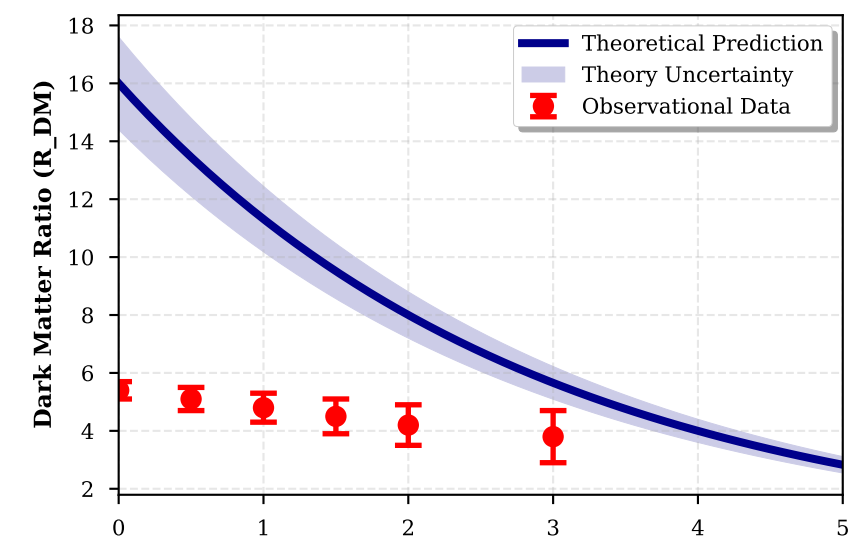
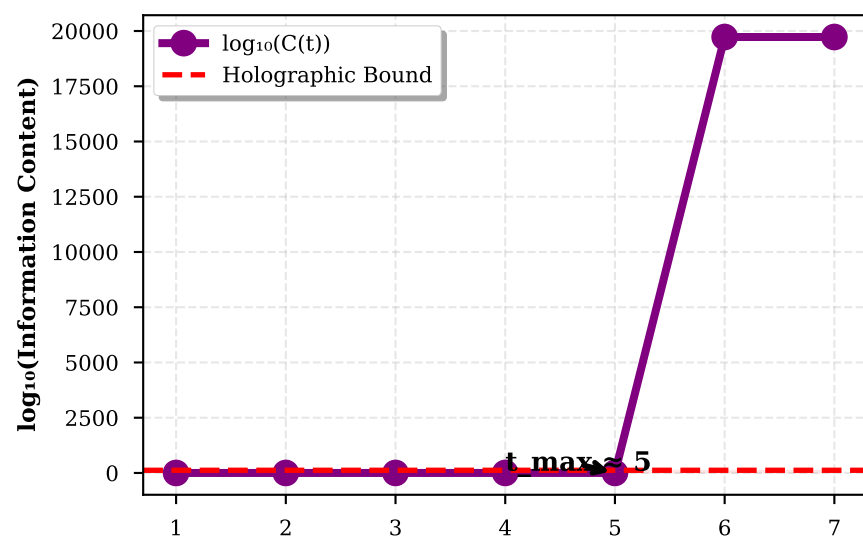


Physical Predictions and Observational Tests

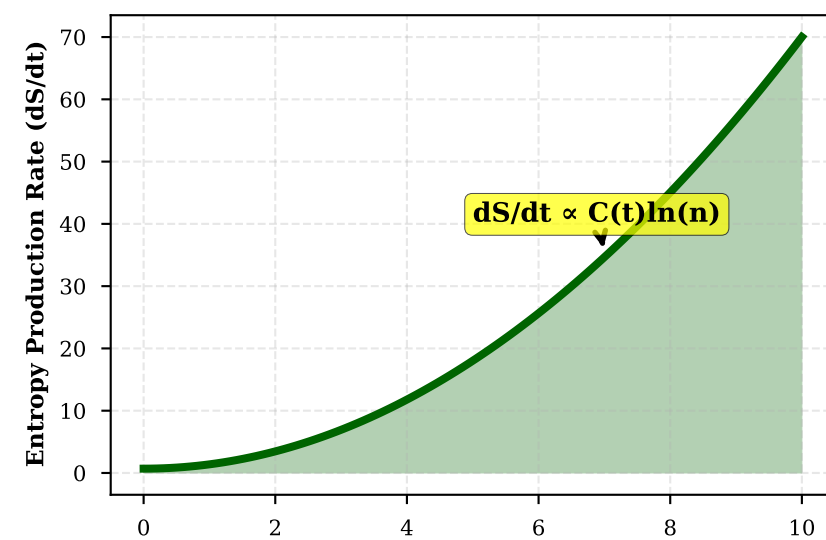
A. Dark Matter Ratio vs Redshift



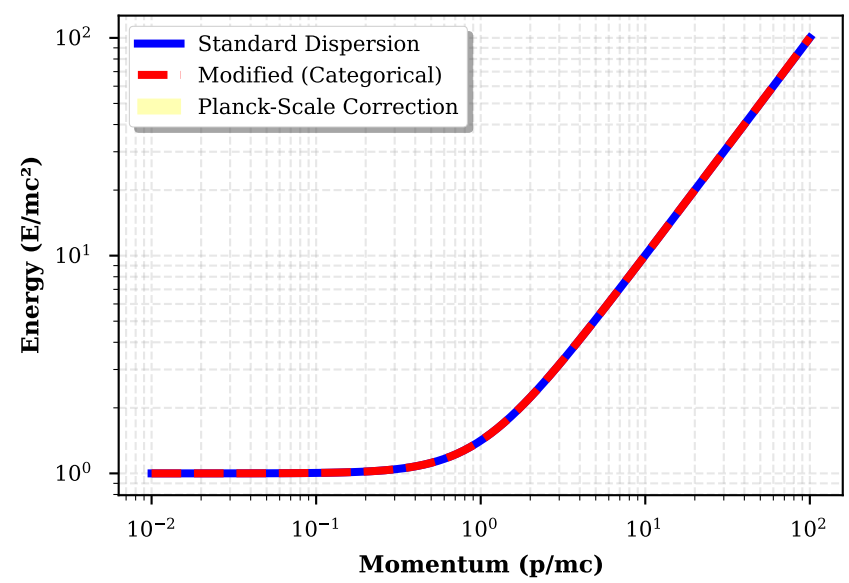
B. Holographic Bound Constraint



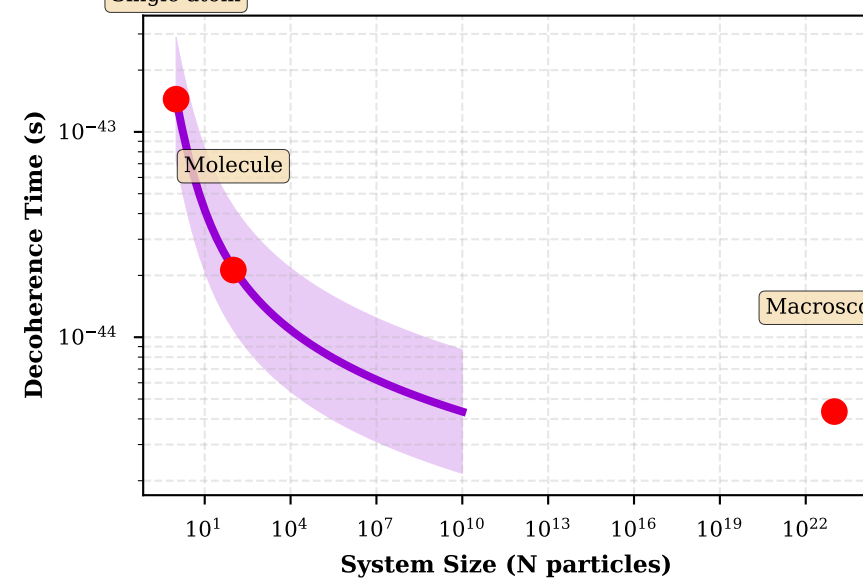
C. Accelerating Entropy Production



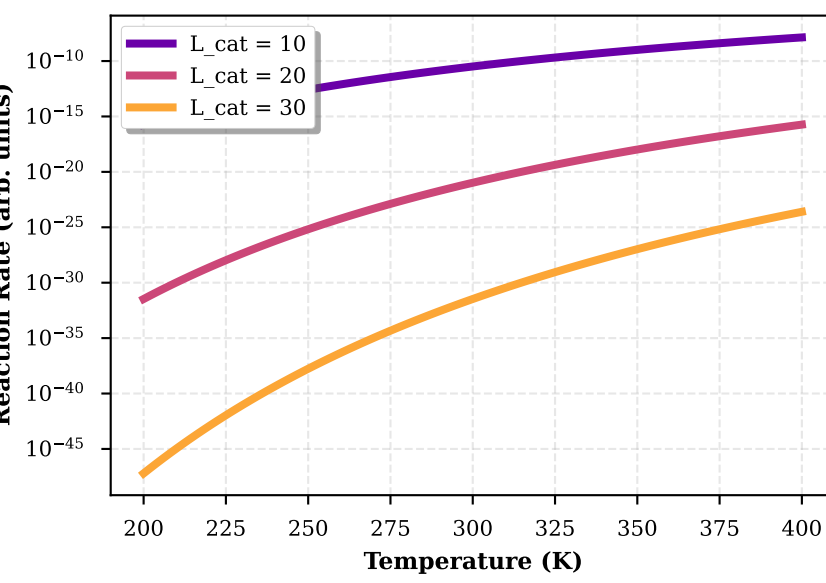
D. Modified Dispersion: Planck-Scale Effects



E. Decoherence Time vs System Size



F. Reaction Rates: Categorical Path Length



G. Cosmological Epochs and Categorical Transitions

