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Title: Acceleration Scales in Galaxies and Galaxy Clusters in the Λ CDM paradigm

The acceleration scale $\sim 10^{-10} \text{ m/s}^2$ observed in spiral galaxies provides a clue about galaxy formation. Whether such a scale exists in galaxy clusters has yet to be firmly established. However, observations hint at an acceleration scale in galaxy clusters similar to that of galaxies. In this talk, we discuss these observations and the origin of the observed acceleration scales in the context of the standard cosmological model.