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# Gas Accretion and Non-Equilibrium Phenomena in the Outskirts of Galaxy Clusters

*Thursday 14 August 2014 09:00 (25 minutes)*

In recent years, the outskirts of galaxy clusters have emerged as one of the new frontiers for studying the physics of clusters and intergalactic medium. In this talk, I will discuss the physics of galaxy clusters outskirts, focusing on roles of cosmic gas accretion and non-equilibrium phenomena (such as gas inhomogeneities, turbulence, and electron-proton equilibration process operating in the cluster outskirts). I will discuss implications for interpreting deep Chandra X-ray observations of A133.

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