

The Evolution of Cosmic Large Scale Structure

Tuesday

September 9

12:30 P.M.

Rm 184 NSH

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The environments of galaxies play a critical role in their formation and evolution. We study these environments by running cosmological simulations with radiative cooling, star formation and supernova feedback enabled. The cosmological structures are then parsed into clusters, filaments and voids. We then trace the gas phase evolution and star formation history of the baryons in the intergalactic medium as function of structure.