

[IT-02] **Formation and Evolution of Dark Matter Halos in the Cosmic Web**

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Recent large galaxy surveys like 2dFGRS and SDSS have revealed that the galaxies in the universe are not distributed randomly but in a web-like filamentary structure, which is often called cosmic web. The very presence of the cosmic reflects the fact that the formation of dark matter halos occur in a nonspherical way and agglomerate into larger halos through anisotropic merging and infall of materials along filaments. I will present nonspherical collapse model for the halo formation and show how these model helps us understand why the clustering of halos depend on the halo formation history.