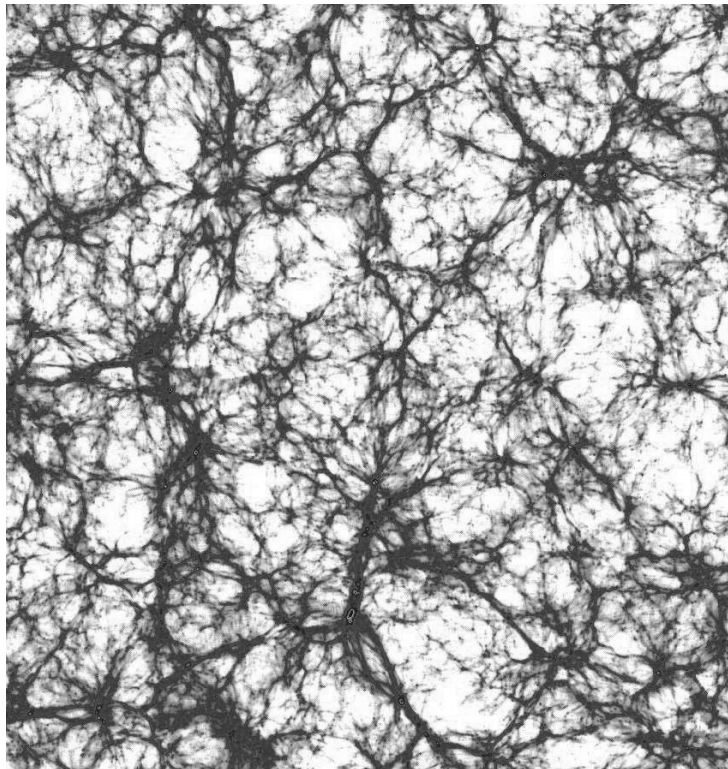


Seminario

Jueves 15 de Febrero, 2018, 11 hrs (PST), Auditorio IA-Ensenada

Towards Large Scale Structure N-body simulations with alternative cosmologies

Chandrachani Ningombam (IA-CU, UNAM)



A comparison of N-body Dark Matter simulations of an alternative cosmological scenario so-called the vacuum decay model, an interacting model of the dark sectors of the Universe with that of the standard LambdaCDM under the same of seed of initial conditions. The decaying rate of dark energy density in this model is governed by the Hubble expansion. The simulations have been performed in order to trace the signature of dark energy in the dark matter clustering, however the effect of the interaction process is in finding more number of bound structures.