



Séminaire du Laboratoire de l'Accélérateur Linéaire

Pier-Stefano Corasaniti

LUTH, Meudon

Mardi 23 Novembre 2010 à 11 :00

Clustering of Matter in Dark Energy Cosmology

Understanding the nature of Dark Energy (DE) in the Universe is the central challenge of modern cosmology. This exotic component makes roughly 70 % of the total energy budget of the Universe and it is thought to be responsible for the present phase of accelerated cosmic expansion. Nevertheless, the observational imprints which characterize its physical properties are scarcely perceptible with current cosmological measurements. In the future a great experimental effort will be devoted to accurately mapping the distribution of matter in the Universe. Consequently, assessing the impact of DE on the formation and evolution of cosmic structures is an essential task in the quest for DE. The next generation of cosmic structure surveys may have the potential to disclose its ultimate origin. In this talk I will review the state of art of this research area in cosmology.

Salle 101 du LAL - Bât. 200, Orsay

Thé et café seront servis 1/4 h avant le séminaire



Responsables : N.Leroy (leroy/lal.in2p3.fr) - B. Viaud (viaud/lal.in2p3.fr)
<http://www.lal.in2p3.fr>