Séminaire de groupe

Ouvert à tous

GALAXY PROPERTIES AS A FINGERPRINT OF COSMOLOGY & FUNDAMENTAL PHYSICS

MARTIN STRINGER

(IAP, France)

Any viable theory of the formation and evolution of galaxies should be able to broadly account for the emergent properties of the galaxy population, and their evolution with time, in terms of fundamental physical quantities. Yet, when citing the key processes we believe to be central to the story, we often find ourselves listing from a vast and confusing melee of modelling strategies & numerical simulations, rather than appealing to traditional analytic derivations where the connections to the underlying physics are more tangible. By re-examining both complex models and recent observational surveys in the spirit of the classic theories, we will investigate to what extent the trends in the galaxy population can still be seen as an elegant fingerprint of cosmology and fundamental physics.

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11h00 Salle Galilée bât 713 C - Orme des Merisiers

Pascale Chavegrand - secrétariat Irfu/SAp 01.69.08.78.27 chavegrand@cea.fr