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PO FSE ABRUZZO
2007»2013

OBBIETTIVO
"Competitività regionale
e occupazione"



Progetto Speciale Multiasse "La Società della Conoscenza in Abruzzo"

PO FSE Abruzzo 2007-2013, Piano degli Interventi 2009-2010-2011

CFA lecture series

**Paolo Salucci
(SISSA)**

Dark Matter in galaxies: leads to its Nature

ABSTRACT

Recent observations have revealed the structural properties of the dark and luminous mass distribution in galaxies. These results led to the vision of a new and amazing scenario. The investigation of single and coadded objects has in fact shown that the rotation curves of spirals follow, from their centers out to their virial radii, an universal profile that implies a tuned combination of their stellar disk and dark halo mass distributions. The mass distribution in ellipticals and dwarf spheroidals is found similar. This, alongside with accurate mass modeling of individual galaxies, poses important challenges to the presently theoretically favored LambdaCDM Cosmology.

LNGS

April 17, 2013 – 11:30 am - "B. Rossi" room

April 18, 2013 – 11:30 am - "B. Rossi" room