

Institut Ruđer Bošković
ZAVOD ZA TEORIJSKU FIZIKU
Bijenička c. 54
ZAGREB, HRVATSKA

SEMINAR ZAVODA ZA TEORIJSKU FIZIKU

(Zajednički seminari Zavoda za teorijsku fiziku,
Zavoda za eksperimentalnu fiziku i Zavoda za teorijsku fiziku PMF-a)

Dark Matter in Galaxies

Seminar in the framework of Dark Matter Awareness Week (DMAW 2010)

Nevenko Bilić

Zavod za teorijsku fiziku, Institut Ruđer Bošković

Datum: petak, 03. prosinac 2010.

Vrijeme: 15:00 sati c.t.

Mjesto: IRB, predavaona I krila

Sažetak:

The distribution of matter in galaxies of different luminosities and Hubble types, as inferred from observations, plays an important role in cosmology, extragalactic astrophysics, astroparticle physics, as well as in a number of issues in high-energy astrophysics, galactic astronomy, star formation and evolution and general relativity. Notwithstanding the general successes of the LambdaCDM scenario in explaining the structure and evolution of the universe, there is a growing conviction that the structural properties of the dark and luminous components in galaxies hold important clues about the nature of dark matter and the processes that are responsible for galaxy formation. The overall purpose of this seminar is to increase the awareness of the phenomenology of the mass discrepancy problem in galaxies amongst the scientists currently working with a theoretical, observational, experimental and simulation approach on issues involving dark matter or its alternatives.

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