



UNIVERSITÀ DEGLI STUDI DI PERUGIA

DIPARTIMENTO DI FISICA

COLLOQUI DI FISICA

Mercoledì 6 Aprile 2011

AULA A ORE 15.00

Il Prof. Leonid P. Kaptari terrà un seminario dal titolo:

“Nuclear Dynamics: from Quarks to Nuclei”

Abstract:

The relevance of nuclear structure effects in experimental investigations of the results of Quantum Chromo Dynamics, the fundamental theory of strong interaction of quarks and gluons, is discussed. Particular attention is paid to processes for which nuclear targets serve as unique "experimental arena" allowing one to study such nonperturbative processes as quark hadronization, color transparency, solar proton burning, phase transitions with quark deconfinement, nuclear deformation of quark-parton distributions etc. The behavior of the nuclear spectral function at high energies, including short-range nucleon-nucleon correlation effects is discussed as well.

TUTTI GLI INTERESSATI SONO INVITATI A PARTECIPARE

IL DIRETTORE
Prof. C. PETRILLO