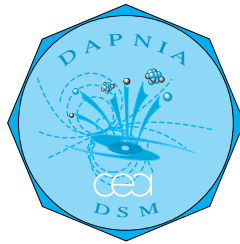


Service de Physique Nucléaire



Séminaire

le vendredi 23 mai 2008 à 11h

CEA-Saclay SPhN, Orme des Merisiers Bât. 703 Salle 135

Microscopic description of nuclear structure with a Single-Reference and Multi-Reference Energy Density Functional perspective

Rayner RODRÍGUEZ-GUZMÁN

Departamento de Física Teórica, Universidad Autónoma de Madrid

The symmetry projected Generator Coordinate Method will be presented as a valuable tool to account for relevant dynamical correlations when describing exotic nuclei far away from the valley of stability and neutron deficient nuclear systems. In addition we will also take the chance to discuss the topic of shape transitions around 190W and the so called critical point symmetries $E(5)$ and $X(5)$. The results to be presented have been obtained with both Skyrme and Gogny interactions.

Le café sera servi 10 minutes avant, en salle 125
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