

Service de Physique Nucléaire

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Séminaire

le vendredi 13 février 2009 à 11h

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

The nuclear potential from the reaction studies

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Much of what we know about atomic nuclei comes from an analysis of experiments in which nucleons or composite nuclei are collided with other nuclei.

But how is this information extracted? Even the simplest kind of collision - elastic scattering in which the target and projectile remain in their ground states - is an immensely complicated many-body problem. This talk will discuss a few specific tools for extracting nuclear information from experiments. In particular, I will discuss the role of recently developed methods for solving the "inverse scattering" problem.

Le café sera servi 10 minutes avant, en salle 125

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