

Service de Physique Nucléaire



Séminaire

le vendredi 15 avril 2011 à 11h

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

Measurements of nucleon elastic and transition form factors at JLAB

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Since the pioneering experiments of Hofstadter and others in the 1950s, the measurement of nucleon electromagnetic form factors has been one of the primary sources of information about the charge and current distributions within nucleons. In addition to nucleon elastic scattering, form factors play a major role for other processes. A number of experiments at Jefferson lab have been devoted to measuring elastic and transition form factors including large angle Compton scattering, meson electroproduction, and excited nucleon resonance electroproduction. This talk will review some of these measurements and their interpretation in terms of generalized parton distributions. Information which they provide about the electromagnetic charge and current distributions in the nucleons will be discussed.

Le café sera servi 10 minutes avant

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http://irfu-i.cea.fr/Phocea/Vie_des_labos/Seminaires/index.php