

Service de Physique Nucléaire



Séminaire

le vendredi 19 avril 2013 à 11h00

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

News from AFTER@LHC

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As simple as it seems, the multi-TeV LHC beams will allow for the most energetic fixed-target experiment ever performed. Such an experiment, tentatively named AFTER for O^A Fixed-Target Experiment, gives access to new domains of particle and nuclear physics, complementing that of collider experiments, in particular that of Brookhaven's Relativistic Heavy Ion Collider (RHIC) and the projects of Electron-ion colliders (EIC). The instantaneous luminosity achievable with AFTER using typical targets would surpass that of RHIC by more than 3 orders of magnitude. This provides a novel testing ground for QCD at unprecedented laboratory energies and momentum transfers. I will report on the recent progresses on the project AFTER@LHC, in particular on the physics case and on the possibilities for the beam extraction.

Le café sera servi 15 minutes avant. Attention : dans la salle 125!

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