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Séminaire SPP

Mercredi 22 avril 11h00

CEA-Saclay Bât 141, salle André Berthelot

Progress in understanding properties of the strongly interacting quark-gluon plasma discovered at RHIC

Tim Hallman

Brookhaven National Laboratory

The first phase of exploration in relativistic heavy ion collisions at the Relativistic Heavy Ion Collider (RHIC) has resulted in the discovery of a new state of hot, dense matter. This strongly interacting plasma of quarks and gluons exhibits remarkable behavior, including collective effects which suggest strong collective flow is established among its parton constituents in the earliest moments of the collision. Recent results from the ongoing effort to illuminate the properties of this new state of matter and the initial conditions which underlie its formation will be discussed.

Le café sera servi 10 minutes avant.

NB : La présentation d'une pièce d'identité est exigée à l'entrée du centre. Tous les auditeurs extérieurs sont priés de prévenir à l'avance Emilie Chancrin, tél. 01 69 08 23 50, e-mail : `emilie.chancrin@cea.fr`. (U.E. : délai de 24 h, hors U.E. : délai de 4 jours).