

Attention
Jour inhabituel !

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The Latest Results from the Pierre Auger Observatory

Cosmic Rays were discovered in the early 1910s. Since then, their origin remains a mystery: sources can't be directly observed as their trajectory is scrambled by the galactic magnetic fields. At ultra high energies, however, their sources should become observable. The Pierre Auger Observatory detects cosmic rays at these energies by covering an area of 3000 km² in the south of Argentina. After the first 3 years of operation Auger found strong indications that Ultra High Energy Cosmic Rays come from nearby, extragalactic sources, hinting at the solution of a century old problem and opening a window for charged particle astronomy.

In this seminar, I will describe the Pierre Auger Observatory and its astrophysical context, its most recent results and the exciting prospects for the near future.

Mercredi 28 novembre 2007 à 15 heures

Salle André Berthelot, bât. 141

Le café sera servi 15 minutes avant

NB : La présentation d'une carte d'identité ou d'un passeport est exigée à l'entrée du centre. Tous les auditeurs extérieurs sont priés de prévenir à l'avance de leur visite Emilie Chancrin, tél. 01 69 08 23 50 (U.E. : délai de 24 h, hors U.E. : délai de 4 jours).