



Séminaire du Laboratoire de l'Accélérateur Linéaire

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LAL-Orsay

Jour inhabituel

Mercredi 4 Mai 2011 à 11 :00

The ThomX Project

ThomX is a new accelerator project envisaging the realization of a Compton Back Scattering (CBS) source in the campus of the Paris Sud University. Thanks to the advance of different technology fields in French laboratories, like the high finesse Fabry-Perot resonators and the fibre lasers, at present it is possible to realize a compact and relative low energy accelerator (70 m² and 50 MeV) which should provide a hard X ray flux of 10¹²-10¹³ ph/sec. This new type of light source is complementary with the synchrotron facilities since it can provide very high energy X rays but with a lower flux. Nevertheless, many possible users have already demonstrated a strong interest for this innovative technology. We will present the different project phases, the characteristics of the source and the main application to the applied X rays physics showing also how this project can be extended to different energies for Nuclear and Particle Physics applications.

Salle 101 du LAL - Bât. 200, Orsay

Thé et café seront servis 1/4 h avant le séminaire

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