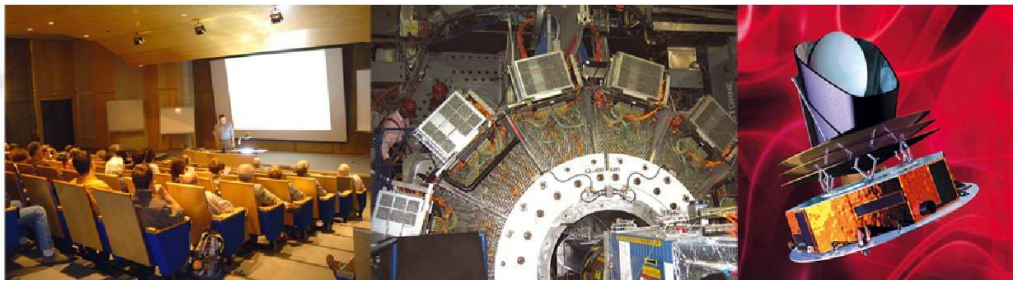
LABORATOIRE DE L'ACCÉLÉRATEUR LINÉAIRE



Séminaire du Laboratoire de l'Accélérateur Linéaire

Gavin Salam

LPTHE - Paris

Mardi 8 Septembre 2009 à 11 :00

Jet Structures in Higgs and New-Physics Searches

Collider searches for new electroweak-scale particles that decay hadronically are generally considered to be highly challenging. This is the case in particular for a light, standard-model Higgs boson, which decays predominantly to b-quarks.

At the LHC, a new region of phase-space will open up for such searches, in which the new particle can be produced with high transverse momenta, causing its decay products to be Lorentz-boosted into a single jet with substructure. This talk discusses novel methods and emerging prospects for performing Higgs-boson and other new-physics searches in this limit.

Salle 101 du LAL - Bât. 200, Orsay

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

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