



Séminaire du Laboratoire de l'Accélérateur Linéaire

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Mardi 23 Juin 2009 à 11 :00

Higgs production at hadron colliders with perturbative corrections

I will review perturbative effects that are necessary for estimating Higgs boson signal cross-sections from gluon fusion at Tevatron and LHC energies. These include NLO and NNLO QCD as well electroweak effects. Comparisons with parton shower Monte-Carlo's will also be shown. Finally, a discussion will be made concerning how a solution of the hierarchy problem may affect Higgs boson cross-sections and the general scope of Higgs boson searches within and beyond the Standard Model.

Salle 101 du LAL - Bât. 200, Orsay

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



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