

Séminaire LAL

Gudrun Heinrich (Max Planck Institute for Physics, Munich)

mardi 12 décembre 2017 à 11h00

Top quark mass effects in Higgs boson pair production

The status of precision calculations and their automation will be briefly reviewed, focusing on recent developments. Then a phenomenological analysis of the next-to-leading order (two-loop) corrections to Higgs boson pair production will be presented, where the effects of the full top quark mass dependence as well as parton shower effects will be discussed, comparing results produced by the combination of the full NLO calculation with the three generators Powheg+Pythia, MG5 aMC@NLO+Pythia and Sherpa.

Salle 101 - Bât. 200, Orsay

Thé et café seront servis 15 mn avant le séminaire

Organisation: Reisaburo Tanaka (LAL) - seminaires@lal.in2p3.fr

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