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Precision prediction for the LHC

Friday, March 15, 2024 9:00 AM (1 hour)

Given the absence of a direct evidence for new physics at the LHC, indirect searches are becoming more and more prominent. Precision theory predictions are crucial to enhance the sensitivity in these searches. I will review the status of today's theoretical description of Standard Model processes relevant for the analysis of LHC data. I will focus on cross-sections relevant for Higgs searches, both for the description of the signal and of the backgrounds, and on benchmark processes for discoveries.

Presenter: ZANDERIGHI, Giulia

Session Classification: Plenary Meeting