

pQCD (and SM physics) at the LHC

Thursday 29 November 2018 11:10 (50 minutes)

The first years of running of the CERN LHC marked a real milestone in particle physics with the discovery of the long sought Higgs boson. The LHC is delivering a wealth of high-quality data at an increased centre-of-mass energy, which, so far, shows an impressive agreement with the expectation from the Standard Model (SM) without clear evidence for new physics signals.

In general, the key word for indirect physics searches for the next years will be precision, since new physics could manifest itself through small deviations from SM behavior. In this talk I will present the state of the art theoretical (QCD and SM) toolkit for precision physics at the LHC.

arXiv

Presenter: DE FLORIAN SABARIS, Daniel Enrique (International Center for Advanced Studies (AR))

Session Classification: Plenary Talks