Contribution ID: **12** Type: **not specified**

Simulating NNLO QCD corrections for processes with giant K factors

Wednesday 15 September 2010 12:00 (30 minutes)

I will present a method, called LoopSim, designed to obtain approximate predictions of the NNLO QCD corrections to the processes with K factors » 1. The method is based on unitarity and makes use of combining NLO results for different final state multiplicities. After validating the LoopSim procedure against known NNLO results for Drell-Yan lepton p_t spectra I will show approximate NNLO results for the Z+jet observables. Finally, I will conclude with our predictions for dijets that can be compared to early LHC.

Author: SAPETA, Sebastian (LPTHE)

Presenter: SAPETA, Sebastian (LPTHE)

Session Classification: Morning II