ID de Contribution: **639** Type: **Parallel session talk**

NLO event samples for the LHC

jeudi 21 juillet 2011 11:45 (15 minutes)

We introduce a twiki page with collections of generated event samples at LHC energies including a heavy quark-antiquark pair. These samples are generated with the POWHEG method and can be used to prepare-distributions at the NLO accuracy with first radiation treated according to the parton shower approach. The event files are stored according to the Les Houches accord and standard parton shower Monte Carlo programs can be used to shower these events further and simulate events at the hadron level, ready for almost arbitrary experimental analysis. Currently the available final states are the following: (i) t + T, (ii) t + T + H, (iii) t + T + b + B, (iv) t + T + jet, while the generation of four other final states are in progress.

Auteur principal: M. KARDOS, Adam (University of Debrecen)

Co-auteur: Prof. TROCSANYI, Zoltan (University of Debrecen)

Orateur: Prof. TROCSANYI, Zoltan (University of Debrecen)

Classification de Session: QCD