

## Color reconnection and flow-like patterns in pp collisions

*Wednesday 4 December 2013 09:25 (24 minutes)*

Recently we have been studying the predictions of Pythia 8 with respect to several observables: the ratios of identified particles in the 2-6 GeV/c range the production of jets in Pythia in function of multiplicity and transverse sphericity and momentum correlations in the  $\phi$ - $\eta$  plane in function of multiplicity and transverse sphericity. In some cases the results of varying the number of MPI will be shown. The results point to the fact that the use of event structure type variables may be very important in the understanding of the mechanisms of pp interactions.

**Author:** PAIC, Guy (Universidad Nacional Autonoma (MX))

**Presenter:** PAIC, Guy (Universidad Nacional Autonoma (MX))

**Session Classification:** MPI & Monte Carlo

**Track Classification:** MPI & Monte Carlo