Contribution ID: **151** Type: **not specified**

Top quark mass measurement using mT2 at CDF

Tuesday 28 July 2009 17:10 (15 minutes)

For the Tevatron and future LHC searches of new physics at the TeV scale, the mass determination of particles pair produced with final states characterized by the presence of missing transverse momenta is of great importance. Within the various methods for mass determination, mT2 is one of the best observables. This variable has been extensively studied relying until now on Monte Carlo Simulations. Using for the first time the mT2 observable in data, we measured the top quark mass in the dilepton channel in a sample of 3.4 fb-1.

Presenter:

Session Classification: Top Quark Physics II

Track Classification: Top Quark Physics