



Contribution ID: 185

Type: **not specified**

Top-quark mass extraction from top pair differential distributions

Tuesday 4 April 2017 10:10 (20 minutes)

Differential distributions for top-quark pair production can be employed to extract the top-quark pole mass. In addition to precision measurements of these distributions, accurate predictions of the observables for different values of the masses are needed. Using next-to-next-to-leading order predictions a first extraction has been performed using data taken at the Tevatron. In this talk, I will compare this method to other mass extraction methods and show that it can be a powerful tool to extract the top-quark pole mass at the LHC as well.

Author: HEYMES, David (University of Cambridge)

Presenter: HEYMES, David (University of Cambridge)

Session Classification: WG5 Physics with Heavy Flavours

Track Classification: WG5) Physics with Heavy Flavours