



ID de Contribution: 7

Type: **Ordinary**

Top Quark Physics at the Tevatron

mercredi 18 mars 2015 17:20 (15 minutes)

The talk will discuss the latest results on top quark physics with the full Run II data set performed by the CDF and D0 experiments at the Fermilab Tevatron Collider. Results on electroweak top quark production include measurements of the s -, t - and $s + t$ -channel cross section, as well as the extraction of the CKM matrix element $|V_{tb}|$. I will present inclusive and differential $t\bar{t}$ cross section measurements in strong top quark production, results on top quark properties including the top quark pole mass extraction from the inclusive $t\bar{t}$ cross section measurements, and the high precision direct measurements of the top quark mass. Top quark mass measurements and the latest Tevatron combination will be discussed in terms of their implications for electroweak fits. The talk will also highlight the latest updates on other properties, such as the forward-backward asymmetries and their implications, $t\bar{t}$ spin correlations and the top quark polarization.

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Classification de Session: Top Physics

Classification de thématique: Experiment