



Contribution ID: 181

Type: **Parallel Talk**

Recent top physics results from D0

The D0 detector at the Fermilab Tevatron proton-antiproton collider has recored almost 10 fb⁻¹ of integrated luminosity at 1.96 TeV. I will present recent precision measurements of various parameters of the top quark sector, which are using a large fraction of this well-understood dataset. In particular, I will highlight the measurement of the forward-backward strong colour charge asymmetry, the world's most precise measurement of the mass of the top quark in dilepton final states, a Tevatron-wide combination of the top quark mass, a novel search for violation of invariance under Lorentz transformations, the first Tevatron-wide combination of the helicity measurements of the W boson in decays of top pairs, the extraction of anomalous couplings, and other measurements.

E-mail Address

obrandt@fnal.gov

Collaboration Name
Please enter the name of the collaboration or group using the acronym, as in: ABC Collaboration

D0 Collaboration

Author: BRANDT, Oleg (Georg-August-Universitaet Goettingen (DE))

Presenter: BRANDT, Oleg (Georg-August-Universitaet Goettingen (DE))

Track Classification: Standard Model & Beyond