

# Forward-backward asymmetry in $p\bar{p} \rightarrow t\bar{t}$ events at the Tevatron

*Thursday, 5 July 2018 11:00 (15 minutes)*

We discuss the asymmetry between yields of forward- and backward-produced top and antitop quarks in  $p\bar{p} \rightarrow t\bar{t}$  events at the Tevatron collider. These measurements use the full Run II data set in lepton plus jets and dilepton channels, recorded in the D0 and CDF detectors, corresponding to an integrated luminosity of  $\approx 2 \times 10 \text{ fb}^{-1}$ . The combinations of inclusive and differential asymmetries are presented and compared with recent standard model predictions.

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