



MEETING OF THE AMERICAN PHYSICAL SOCIETY DIVISION OF PARTICLES AND FIELDS

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

Monday, 31 July 2017 12:00 (15 minutes)

We discuss the complete overview of the forward-backward asymmetry measurements in the angular distributions of $p\bar{p} \rightarrow t\bar{t}$ 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 the NNLO QCD predictions.

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