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## Measurement of the forward-backward charge asymmetry in top quark pair production (D0)

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We present measurements of the forward-backward asymmetry and the lepton charge asymmetry in lepton plus jets and dilepton final states in top antitop quark pair production in proton antiproton collisions, using up to 10 fb<sup>-1</sup> of data collected by D0 in Run II. We present unfolded results corrected for acceptance and resolution effects. In case of the lepton plus jets channel the analysis is also performed as function of the invariant mass of the t $\bar{t}$  pair. Furthermore, we give the combination of both channels and present first distributions sensitive to the top quark polarization.

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