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## Top quark mass measurements at CDF

*Thursday 5 July 2012 14:00 (15 minutes)*

The top-quark mass is an important parameter of the standard model. It is used, along with the W boson mass, to constrain the mass of the predicted Higgs boson. We present measurements of the top-quark mass and of the top-antitop mass difference, which tests the CPT symmetry, in the semi-leptonic top-quark pair decay channel using the template method and the full CDF Run II sample. These are currently the world's most precise top mass and mass difference single measurements.

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