

Abstract for an Invited Paper
for the NWS05 Meeting of
The American Physical Society

Recent physics results at DØ

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The Fermilab Tevatron is the world's highest-energy particle accelerator, colliding protons and antiprotons at $\sqrt{s} = 1.96$ TeV. With more than 0.6 fb^{-1} of $p\bar{p}$ collisions delivered in Run II, the DØ collaboration is reporting results from its very broad physics program. The top quark is being studied intensely. The production cross section of $t\bar{t}$ pairs as well as the top quark mass and helicity are measured. World's best limits are set in the search for single top production. Higgs search results and searches for signs of physics beyond the standard model are presented. New constraints are set on scenarios including ideas such as supersymmetric particles or large extra dimensions (LED) but so far no evidence for Higgs bosons or new physics has been found. Weak boson production cross sections, associated production with a photon and diboson production measurements are reported. B -physics has become an integral part of the Run II program at DØ. Results include observation of resonances and measurement of lifetimes in the B_d and B_s systems.