APR06-2006-000746

Abstract for an Invited Paper for the APR06 Meeting of the American Physical Society

Top at Run II and LHC Prospects EVA HALKIADAKIS, Rutgers University

The top quark is the most massive elementary particle in the Standard Model (SM) observed to date. It was discovered ten years ago at Fermilab's Tevatron, currently the highest energy hadron collider in the world, until the Large Hadron Collider (LHC) at CERN turns on in 2007. Measurements of top quark production and decay properties provide direct tests of the SM and could yield sensitive probes of new phenomena beyond the SM. In this talk, we present recent top quark physics results from the CDF and DZero collaborations with data collected from the ongoing Run II of the Tevatron. Additionally, we review of the prospects for studies of the top quark at the LHC.