

APR11-2011-000539

Abstract for an Invited Paper  
for the APR11 Meeting of  
the American Physical Society

### **Proton-Antiproton Colliders**

LYNDON EVANS, Imperial College/CERN

The two proton-antiproton colliders, the SppbarS at CERN and the Tevatron at Fermilab, have dominated the high energy frontier for the past 30 years and have made some of the most significant contributions to the understanding of the fundamental nature of matter, including the discovery of the W and Z bosons and the Top quark. They have both pushed technology to the limit. The Tevatron was the first large superconducting storage ring from which followed HERA at DESY, RHIC at BNL and finally the Large Hadron Collider at CERN. In this talk, a personal account of the trials and tribulations of running these very difficult machines will be given and their relevance to the design of the LHC discussed.