

APR11-2010-000066

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

**Rutherford's Legacy in Particle Physics**

JEROME I. FRIEDMAN, Massachusetts Institute of Technology

Rutherford's legacy of employing scattering experiments to probe structure has been crucial to advancing our understanding of sub-atomic physics. This talk will describe the role of inelastic electron and neutrino scattering in uncovering the quark sub-structures of the proton and neutron.