

APR14-2014-020154

Abstract for an Invited Paper  
for the APR14 Meeting of  
the American Physical Society

**The Future of the Higgs Boson**

MARIA SPIROPULU, Fermi National Accelerator Laboratory

The discovery of the Higgs boson at the CERN Large Hadron Collider marks the beginning of new journeys to understand the mechanisms by which energy is stored as mass, the quantum nature of the vacuum, and the origins of matter and dark matter in our universe. Properties of the Higgs boson may point the way to breakthroughs on these and other mysteries.