

APR14-2014-000210

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

### **Leptogenesis**

MU-CHUN CHEN, University of California, Irvine

The origin of the asymmetry between matter and anti-matter of the Universe has been one of the great challenges in particle physics and cosmology. Leptogenesis as a mechanism for generating the cosmological baryon asymmetry of the Universe has gained significant interests ever since the advent of the evidence of non-zero neutrino masses. In this talk, I will discuss various realizations of leptogenesis and recent developments on this subject.