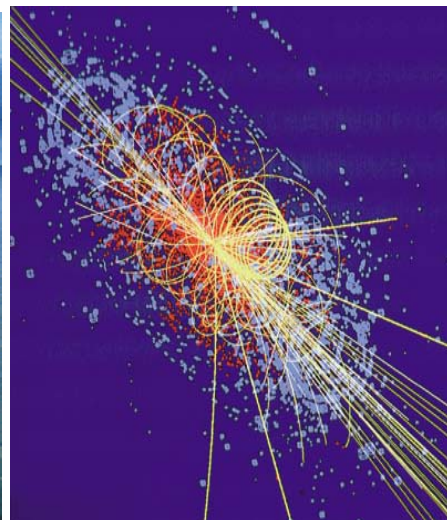
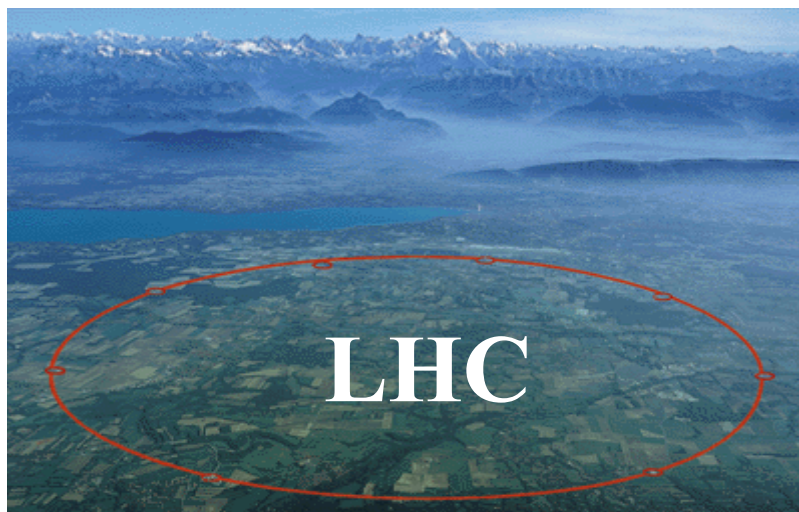




# COLLOQUIUM



Dr. Yongsheng Gao  
California State University, Fresno

## Road to Discovery at ATLAS/LHC

### Abstract

The Large Hadron Collider (LHC) at CERN will start this fall with hopes of discovering the Higgs boson, Supersymmetry (SUSY), and many other possible new physics. After an introduction of High Energy Physics (HEP) and some past important HEP discoveries, I'll describe the current focus of experimental HEP. I'll briefly go over the great discovery potential of ATLAS/LHC, the challenges before making the discoveries, and my recent and ongoing work on new physics searches and ATLAS performance studies.

3-4 p.m., Friday, Feb. 8<sup>th</sup>  
McLane Hall 162  
All welcome!