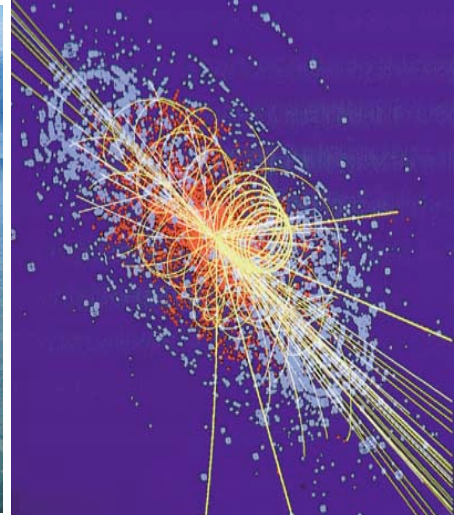




# COLLOQUIUM



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## Road to Discovery of ATLAS/LHC

### Abstract

After more than 10 years of construction, the 10 billion dollar Large Hadron Collider (LHC) at the European Organization for Nuclear Research (CERN) finally started on Sept. 10, 2008. The ATLAS experiment of the LHC has great discovery potential for new physics (Higgs, Supersymmetry, micro black holes etc). After an introduction of High Energy Physics (HEP), I will focus on the great expectations of new physics discoveries at the ATLAS experiments and the experimental challenges. I will also describe the ATLAS program and research work at Fresno State.