Abstract:

On 7/4/2012, ATLAS and CMS experiments of the Large Hadron Collider (LHC) at the European Organization for Nuclear Research (CERN) announced the discovery of a new particle consistent with the Higgs boson. After an introduction of High Energy Physics (HEP), CERN and LHC, I will focus on the ATLAS new particle discovery, the CSU Fresno ATLAS program, the CSU Nuclear and Particle Physics Consortium (NUPAC), and research opportunities at CERN for students.