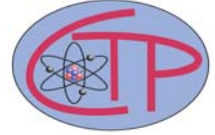




NEW YORK CITY COLLEGE OF TECHNOLOGY
Physics Department
Center for Theoretical Physics



The Higgs Boson as a Probe of New Physics

Presented by:

Ian M. Lewis

The University of Kansas

Thursday, March 17 at 12 pm

Namm, Room 823

Abstract

The Large Hadron Collider (LHC) presents us with a unique opportunity to explore the fundamental theory of nature. The first run of the LHC was very successful, culminating in the discovery of a Higgs boson. With the LHC now running at a higher energy more discoveries are highly anticipated. In this talk, I will review the importance of the Higgs discovery and its relationship to additional new physics. In particular, I will focus on how precise measurements of Higgs boson processes can shed light on the building blocks of our universe.