

Lecture at the National Technical University, Athens

12 October 2015

Rolf Heuer
CERN, European Organization for Nuclear Research
Geneva, Switzerland

Title: "High Energy Physics at CERN: Present and Future"

Abstract:

With the start of the Large Hadron Collider (LHC) at CERN, particle physics entered a new era. The LHC will provide a deeper understanding of the universe and the insights gained could change our view of the world, and the talk will present some of the reasons for the excitement surrounding the LHC. The LHC is expected to yield insights into the origin of mass, the nature of dark matter and into many other key questions. This keynote will present the physics landscape at CERN and address the exciting physics prospects offered by the LHC and post-LHC accelerators. I will discuss in particular what the discovery of the Higgs boson tells us about Physics, Mankind and the Universe.