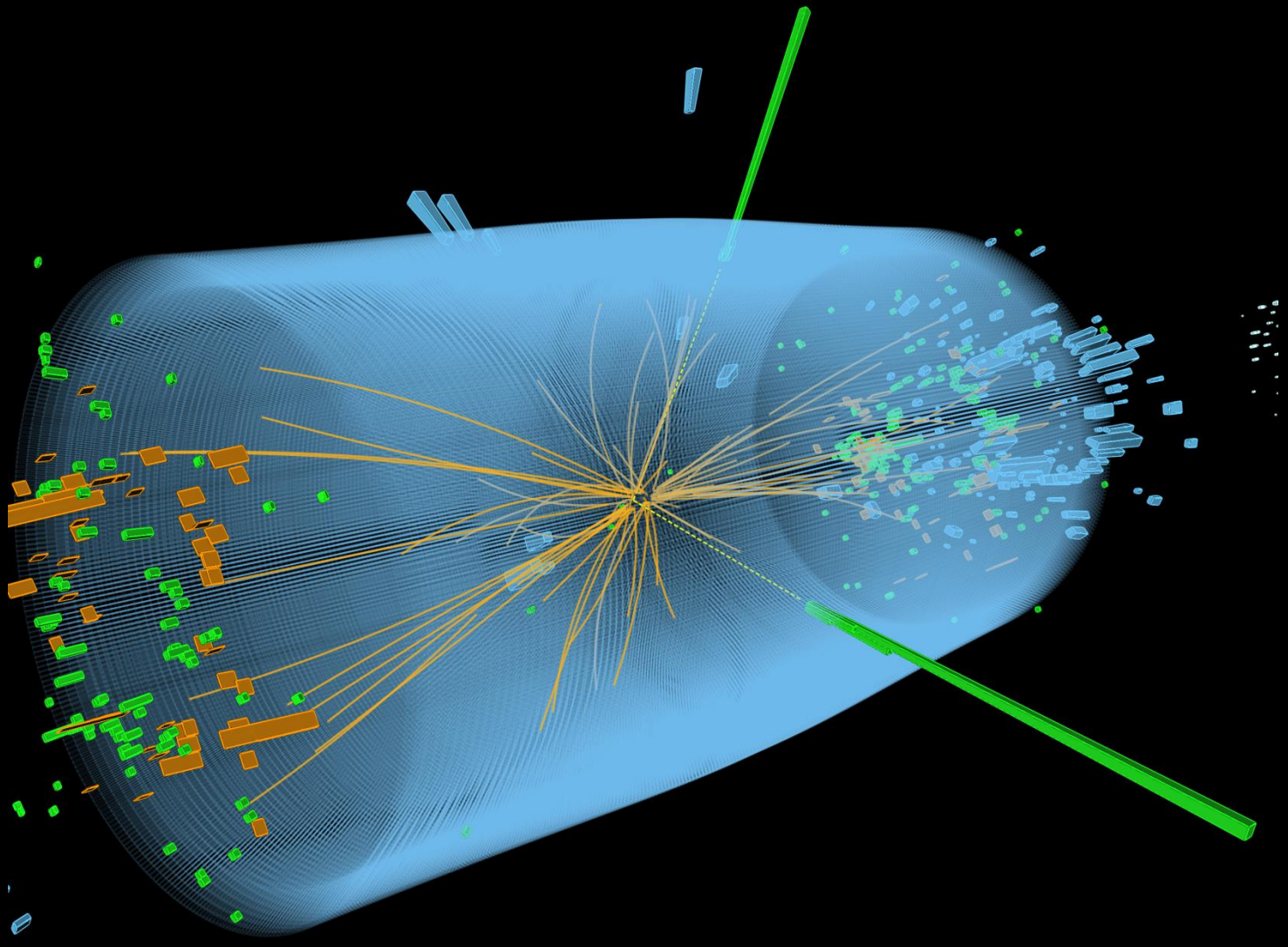
Tata Institute of Fundamental Research

Public Lecture

In search of the genetic code of our universe: Experiments at the Large Hadron Collider

Prof. Joseph Incandela,
University of California, Santa Barbara, USA

Monday, 17 December 2012 AT 4 P.M.
Homi Bhabha Auditorium, TIFR



The Higgs particle is the last fundamental particle to be discovered in the Standard Model. Its discovery is one of the original motivations for the largest physics experiments ever built: the ATLAS and CMS experiments at the Large Hadron Collider (LHC) near Geneva, Switzerland. Meanwhile, in the ~20 years since the inception of these experiments, there has been a growing conviction that the Standard Model is not the end of the story. In this lecture, the LHC physics program and some of the most important recent results, including the discovery of a new Higgs-like particle, will be presented in the context of how it impacts our understanding of the fabric of space time and the universe in which we live.

Lecture open to all: For details: 22782500, pro@tifr.res.in