Techkriti Institute Lecture

Back to the Big Bang. The Large Hadron Collider

Prof. Lyndon Evans, FRS

Visiting professor at Imperial College London and Director of the Linear Collider Collaboration

4th March 2016, Time: 4 PM, Venue: Auditorium

Abstract

It is generally accepted that our universe started with a singularity about 13.5 billion years ago. Optical astronomy can take us back to the earliest star formation about 1 billion years after the event. Observation of the cosmic microwave background reveals details at around 300,000 years. The Large Hadron Collider can create conditions that existed less than a nanosecond after the big bang.

The construction of the LHC has been a massive engineering challenge spanning almost 15 years. In this Lecture, Lyn Evans will discuss some of the fundamental questions in science that the LHC will address as well as the novel features in the design that make it such a unique scientific instrument.

About the speaker

Born in 1945, Lyn Evans has spent his whole career in the field of high energy physics and particle accelerators, participating in all the great projects of CERN. Since 1993, he has led the team that designed, built and commissioned the LHC. He is presently a visiting professor at Imperial College London and Director of the Linear Collider Collaboration. Among his many honors he is a Fellow of the American Physical Society and a Fellow of the Royal Society. He was awarded a Fundamental Physics Prize in 2013 for his contribution to the discovery of the Higgs-like boson.

Tea at 3.45 PM

All interested are welcome.

Amalendu Chandra
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