

The Fabric of Matter

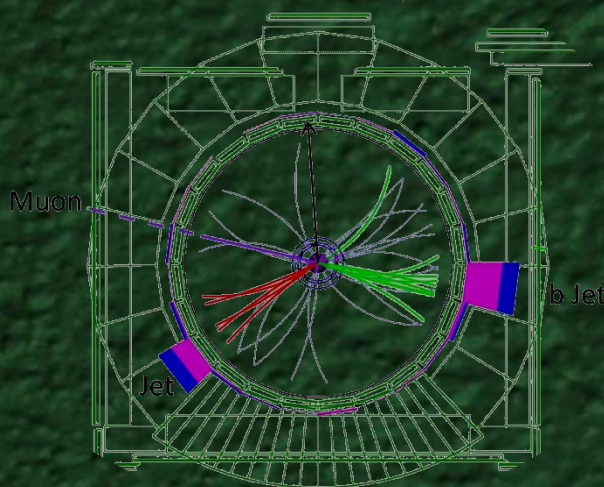
A talk by

Christophe Grojean

Homi Bhabha Auditorium, TIFR : December 5, 2018 : 5:00 pm

The first D. P. Roy Memorial Lecture

Organised by the Department of Theoretical Physics, TIFR



Christophe Grojean is one of the best known high energy physicists of this generation. A Ph.D. from Orsay, he has held research positions at many of the world's top centres for high energy physics. He is currently a Professor at Deutsches Elektronen-Synchrotron, Hamburg. Professor Grojean is a specialist in Higgs bosons and in theories of physics beyond the Standard Model.

Durga Prasad Roy (1941 - 2017) was a pioneer in the field of particle physics research in India, especially in the physics of high energy colliding-beam machines. He worked at the Tata Institute for more than four decades. This is the first of a series of memorial lectures made possible by the generosity of Mrs. Monika Roy and the family of the late Professor Roy.

A few elementary building blocks and simple forces among them account for all the variety of matter that we see around us. This is the outcome of a century of work that culminated in the discovery of the Higgs boson in 2012. In his lecture, Prof. Grojean will talk about the remaining mysteries in the structure of matter and the way forward.