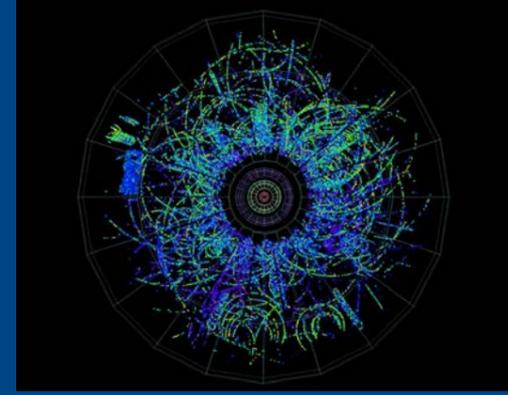
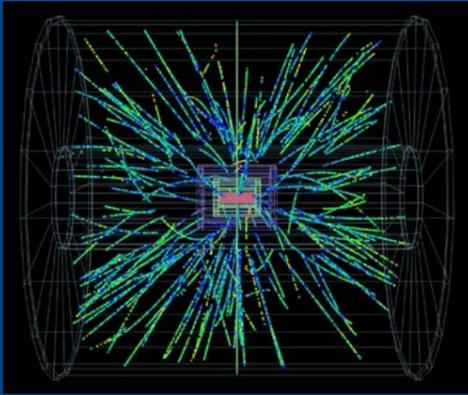


# The Higgs Boson and our Life

by

Dr. Fabiola Gianotti  
Director General, CERN



**Monday, November 21, 2016 at 5 p.m.**

**Homi Bhabha Auditorium, TIFR**

**Mumbai 400005**

On 4 July 2012, the ATLAS and CMS experiments at the CERN Large Hadron Collider (LHC) announced the discovery of a new particle compatible with the Higgs boson, a crucial piece for our understanding of fundamental physics. This lecture describes the unprecedented instruments and challenges that have allowed such an accomplishment, the physics meaning and relevance of this discovery, and its implication on our day-to-day life. Future physics opportunities at the LHC will also be reviewed.



Dr Fabiola Gianotti is the current Director-General of CERN since January, 2016. She received her Ph.D. in experimental particle physics from the University of Milano in 1989 and has, since 1994, been a research physicist at CERN. She has been the Project Leader of ATLAS experiment from 2009 to 2013, during which the Higgs boson was discovered.

**Talk is open to all.**

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