



CERN AND LHC

A step forward in our understanding of the Universe

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What is the nature of the Universe? What is it made of? CERN, the world's largest physics laboratory, is helping physicists provide an answer to these unsolved questions.

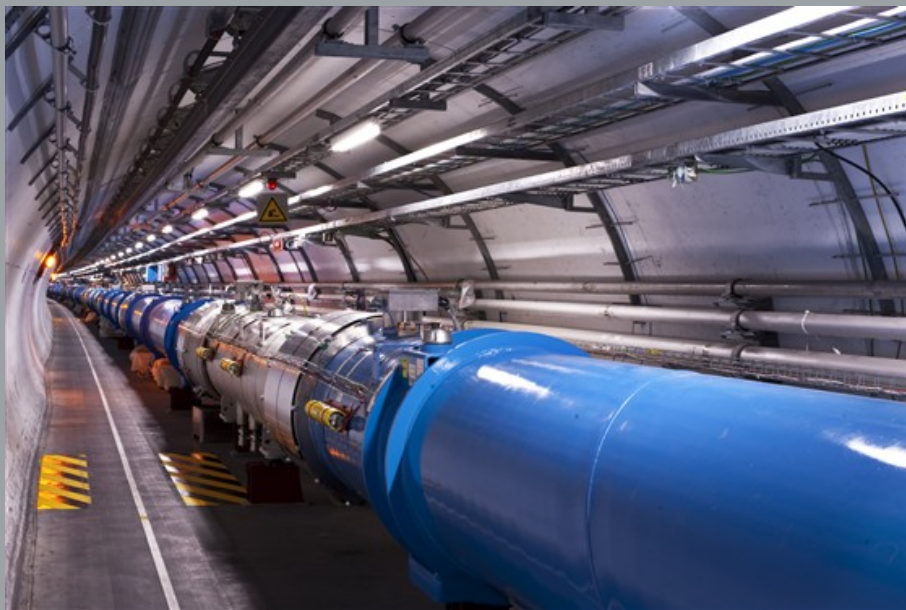


Figure 1: LHC

(https://commons.wikimedia.org/wiki/File:CERN_LHC.jpg)

Between 1998 and 2008, the Large Hadron Collider (LHC), the largest and highest-energy particle collider in the world, was built at CERN.

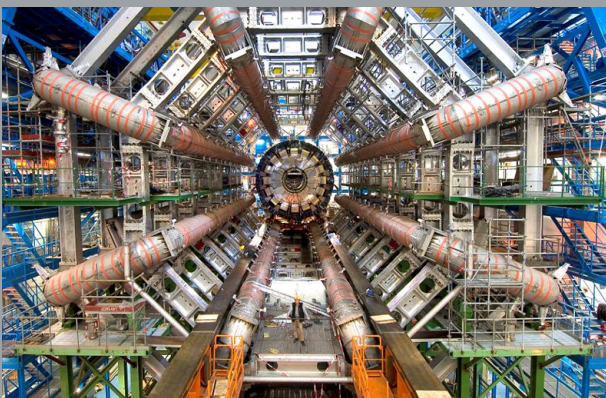


Figure 2: LHC

(<https://www.flickr.com/photos/mtlin/2845325047>)

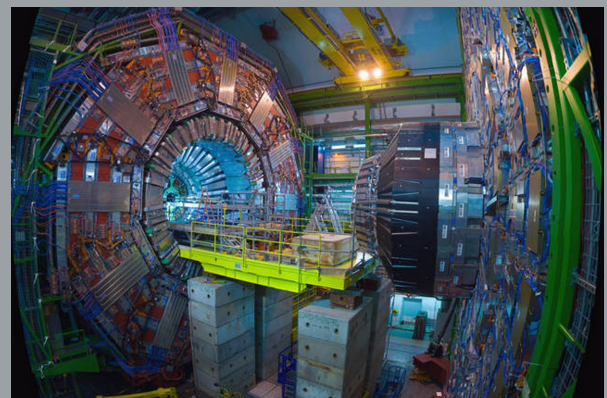
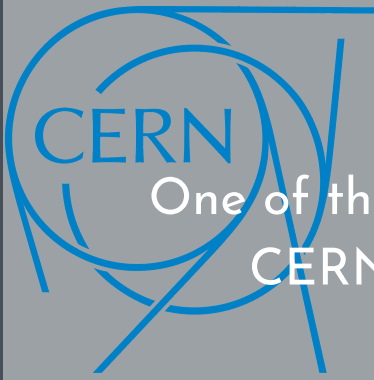


Figure 3: LHC

(<https://www.bazonline.ch/wissen/technik/zweiter-protonenstrahl-saust-durch-den-lhc/story/14238647>)



One of the most significant scientific achievements of CERN is the observation of the Higgs Boson.

François Englert and Peter Higgs did research about the Higgs Boson and the Higgs field; for this reason, they jointly received the Nobel Prize in 2013.



Figure 4: François Englert

(<https://www.flickr.com/photos/bnsd/11253451693/>)



Figure 5: Peter Higgs

(<https://www.flickr.com/photos/bnsd/11253401126/>)

Since 2016, the Director of CERN
has been the Italian physicist
Fabiola Gianotti.



Figure 6: Fabiola Gianotti

https://commons.wikimedia.org/wiki/File:Dr_Fabiola_Gianotti.jpg