



Contribution ID: 4

Type: **not specified**

Public talk: CERN, LHC and the Higgs

Thursday, 18 August 2022 18:00 (1h 30m)

Twelve countries founded CERN - the European Laboratory for Particle Physics - in 1954. Since then it has grown into a scientific melting pot where thousands of physicists from all over the world work together to uncover what the universe is made of and how it works. Ten years ago, the ATLAS and CMS experiments at CERN's Large Hadron Collider (LHC) discovered the Higgs boson, a central ingredient in the standard model of particle physics. The LHC has now started its third run after a period of extensive upgrades. The new data will allow the physicists to search for the physics beyond the standard model that is needed to explain for instance the dark matter in the universe and the asymmetry between matter and antimatter.

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