EXPLORING NATURE'S FUNDAMENTAL PARTICLES AND FORCES
AT THE LARGE HADRON COLLIDER

Abstract
The Large Hadron Collider (LHC) has started delivering proton proton collision data in 2010 after a design and construction period of more than 20 years. Based on the first three years of data a new fundamental particle of Nature, the Higgs boson, was discovered by the ATLAS and CMS experiments analysing the data. This is only one of the more than 500 results published based on the first three years of data taken at a collision energy of 7-8 TeV. After a major refurbishment in 2013/2014 the LHC is now operating at an increased energy of 13 TeV and provided first data last year and much more is anticipated for this and the coming years. I will summarize the results obtained so far and give an outlook towards the future.