

Abstract: The experiments at the Large Hadron Collider marked 2012 with the discovery of the Higgs boson, the final missing puzzle piece of the Standard Model of particle physics, and ending a nearly fifty year search. In the decade since, the experiments have continued taking data, and the accelerator is planned to operate for over a decade more. What have we learned in this time? What do we hope to find out in the future? I'll discuss why the discovery of the Higgs boson was just the start of an exciting journey at the LHC, and why the question of what we'll find next is more mysterious - and more fascinating - than ever.