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## The Higgs in context: the impact of the Run 1 discovery and its shaping of Run 2 at the LHC DAVID LOPEZ MATEOS, Harvard University

The discovery of the Higgs boson at the LHC in 2012 culminated many decades of work and theoretical speculation. Its sheer discovery has not only ruled out many other theories of EW symmetry breaking, but also given it a mass and a set of properties. The measurement of the values of these properties has wide-ranging implications across different fields in fundamental physics. In this talk, I will discuss some of the most important Run 1 measurements in Higgs physics, and how those measurements have shaped and continue to shape our understanding of high energy physics. In addition, I will survey some of the important measurements and searches that were statistically limited in Run 1, but take renewed importance with the Run 2 dataset.