

## Higgs properties and new physics beyond the SM

The discovery of the Higgs boson at the Large Hadron Collider (LHC) has opened a new era in particle physics. Precise measurements of the properties of the Higgs boson are crucial for addressing several fundamental questions in the field. These include understanding the mechanism behind electroweak symmetry breaking, unraveling the origin of particle masses, and exploring potential sources of CP violation that could explain the matter-antimatter asymmetry in the universe, and so on. In this talk, I will provide an overview of the recent advancements in Higgs physics, both within the framework of the Standard Model (SM) and beyond. By examining the latest research, we will gain insights into the properties and behavior of the Higgs boson, shedding light on the fundamental workings of the universe.

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