

Second International Conference on the Physics of the Two Infinities



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CMS Results on the Higgs Boson and Electroweak Physics

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In this presentation, we explore the production mechanisms of W, Z, and Higgs bosons, alongside the top quark, at the Large Hadron Collider (LHC). We examine how these particles are detected using the capabilities of the CMS Experiment. The talk will highlight the latest advancements in Higgs boson physics, focusing on detailed measurements of its production rates across various decay channels. Additionally, we will present recent significant findings in electroweak physics involving W, Z, and top particles. These results offer valuable insights into fundamental particle interactions and contribute to our understanding of the Standard Model.

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