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Review on the Interplay between Particle Physics Results and Cosmology

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The study of particle physics and cosmology are closely intertwined, as they both seek to understand the fundamental workings of the Universe.

Particle physics experiments at colliders such as the Large Hadron Collider have provided crucial information about the properties of fundamental particles

In this talk, we will review the latest results in particle physics and their implications for cosmology.

Topics covered will include the search for dark matter, the discovery of the Higgs boson, and the measurement of the Higgs potential.

We will also discuss the ways in which particle physics and cosmology can be used to test fundamental theories, such as inflation and supersymmetry.

Finally, we will look ahead to future experiments and observations, and speculate on the exciting discoveries that may lie ahead.

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