Title: What the Higgs is going on at the LHC?

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Abstract: What is everything in the universe made of? What was the universe like billions of years ago?

These are eternal questions that humans have pondered throughout the ages. Today, we are on the verge of potentially making revolutionary breakthroughs in answering them.

The Large Hadron Collider (LHC) at CERN is a 27-kilometre long underground experiment located on the Swiss-French border near Geneva. It smashes subatomic particles together at vast speeds in an effort to learn more about the fundamental building blocks that make up everything around you. It is the biggest, most ambitious scientific experiment in human history.

On December 13, the LHC announced the latest findings in its search for the last undiscovered particle in our current model of subatomic particles. This particle is the near-mythical 'Higgs Boson' $\hat{a} \in$ '' the particle thought to be involved in giving other particles their mass.

This educational event, geared towards high school students, teachers and the general public, followed CERN's announcement and discussed its findings and implications in clear, accessible language.

Host Damian Pope and PI Researchers Natalia Toro, Philip Schuster, and experimental particle physicist Andy Haas of New York University participate in an informative and interactive discussion.





















