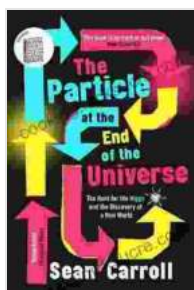


# How The Hunt For The Higgs Boson Leads Us To The Edge Of New World

The Higgs boson is a subatomic particle that gives other particles their mass. It was discovered in 2012 by the Large Hadron Collider at CERN. This discovery was a major milestone in physics, and it has led us to the edge of a new world of scientific understanding.



## The Particle at the End of the Universe: How the Hunt for the Higgs Boson Leads Us to the Edge of a New World by James E Wisher

★★★★☆ 4.5 out of 5

Language : English  
File size : 19526 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Word Wise : Enabled  
Print length : 353 pages



## The history of the Higgs boson

The Higgs boson was first proposed by Peter Higgs, Robert Brout, and Francois Englert in 1964. They proposed that the Higgs boson was responsible for giving other particles their mass. This theory was based on the idea that the Higgs boson was a field that permeated all of space. When particles interacted with this field, they gained mass.

The Higgs boson was a very difficult particle to detect. It is very small, and it is very rare. Scientists at CERN spent years searching for the Higgs boson, but they were unsuccessful. In 2012, however, the Higgs boson was finally discovered by the Large Hadron Collider.

### **The discovery of the Higgs boson**

The discovery of the Higgs boson was a major breakthrough in physics. It confirmed the Standard Model of particle physics, which is the best description of the universe that we have. The discovery of the Higgs boson also opened up a new world of scientific understanding. It has led to new theories about the universe, and it has even inspired new technologies.

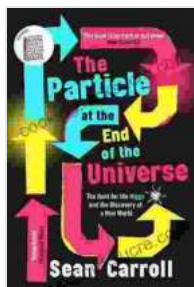
### **The implications of the Higgs boson**

The Higgs boson has a number of implications for our understanding of the universe. First, it confirms the Standard Model of particle physics. The Standard Model is the best description of the universe that we have, and the discovery of the Higgs boson has confirmed its validity.

Second, the Higgs boson provides new insights into the nature of mass. Mass is a fundamental property of matter, but we still don't fully understand what it is. The Higgs boson has given us new insights into the nature of mass, and it has even inspired new theories about the universe.

Third, the Higgs boson has opened up a new world of scientific understanding. The discovery of the Higgs boson has led to new theories about the universe, and it has even inspired new technologies. The Higgs boson is a major breakthrough in physics, and it has the potential to revolutionize our understanding of the universe.

The Higgs boson is a major breakthrough in physics. It has confirmed the Standard Model of particle physics, it has provided new insights into the nature of mass, and it has opened up a new world of scientific understanding. The Higgs boson is a powerful reminder of the power of science, and it has the potential to revolutionize our understanding of the universe.

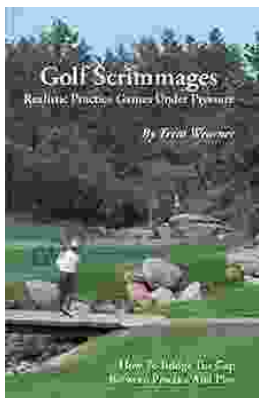


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