



Higgs: The Invention and Discovery of the 'God Particle'

By Jim Baggott

[Download now](#)

[Read Online](#) 

Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott

The hunt for the Higgs particle has involved the biggest, most expensive experiment ever. So what is this particle called the Higgs boson? Why does it matter so much? What does this "God particle" tells us about the Universe? And was finding it really worth all the effort?

The short answer is yes, and there was much at stake: our basic model for the building blocks of the Universe, the Standard Model, would have been in tatters if there was no Higgs particle. The Higgs field had been proposed as the way in which particles gain mass - a fundamental property of matter. Little wonder the hunt and discovery have produced such intense media interest.

Here, Jim Baggott explains the science behind the discovery, looking at how the concept of a Higgs field was invented, how it is part of the Standard Model, and its implications on our understanding of all mass in the Universe.

 [Download Higgs: The Invention and Discovery of the 'Go ...pdf](#)

 [Read Online Higgs: The Invention and Discovery of the ' ...pdf](#)

Higgs: The Invention and Discovery of the 'God Particle'

By Jim Baggott

Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott

The hunt for the Higgs particle has involved the biggest, most expensive experiment ever. So what is this particle called the Higgs boson? Why does it matter so much? What does this "God particle" tells us about the Universe? And was finding it really worth all the effort?

The short answer is yes, and there was much at stake: our basic model for the building blocks of the Universe, the Standard Model, would have been in tatters if there was no Higgs particle. The Higgs field had been proposed as the way in which particles gain mass - a fundamental property of matter. Little wonder the hunt and discovery have produced such intense media interest.

Here, Jim Baggott explains the science behind the discovery, looking at how the concept of a Higgs field was invented, how it is part of the Standard Model, and its implications on our understanding of all mass in the Universe.

Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott Bibliography

- Sales Rank: #890415 in Books
- Published on: 2012-09-06
- Original language: English
- Number of items: 1
- Dimensions: 5.30" h x 1.00" w x 7.90" l, .97 pounds
- Binding: Hardcover
- 304 pages

 [Download Higgs: The Invention and Discovery of the 'Go ...pdf](#)

 [Read Online Higgs: The Invention and Discovery of the ' ...pdf](#)

Download and Read Free Online Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott

Editorial Review

Review

"A tendency towards brevity and clarity make for a handy guide to the long hunt for an elusive quarry." - *Nature*

"For those who want the full story, there is Jim Baggott's *Higgs*....His detailed explanation of how the Higgs mechanism gives particles mass is extremely elegant." -- *New Scientist*

"Higgs is an impressive volume, clarifying details, making the concepts that have been in dispute for years finally lucid... Higgs drills deep under your skin, constantly ferreting out new vistas, easily escaping our eyes. Baggott brings these-and more-together to form a solid concept of the God Particle effort-read it." -- *San Francisco Book Review*

About the Author

Jim Baggott is a freelance science writer. He was a lecturer in chemistry at the University of Reading but left to pursue a business career, where he first worked with Shell International Petroleum Company and then as an independent business consultant and trainer. His many books include *Atomic: The First War of Physics* (Icon, 2009), *Beyond Measure: Modern Physics, Philosophy and the Meaning of Quantum Theory* (OUP, 2003), *A Beginner's Guide to Reality* (Penguin, 2005), and *A Quantum Story: A History in 40 Moments* (OUP, 2010).

Users Review

From reader reviews:

Wayne Millican:

Do you have favorite book? In case you have, what is your favorite's book? Publication is very important thing for us to know everything in the world. Each book has different aim or goal; it means that reserve has different type. Some people really feel enjoy to spend their time to read a book. They may be reading whatever they get because their hobby is reading a book. Why not the person who don't like reading through a book? Sometime, person feel need book after they found difficult problem or exercise. Well, probably you'll have this *Higgs: The Invention and Discovery of the 'God Particle'*.

Susan Rogers:

The reserve with title Higgs: The Invention and Discovery of the 'God Particle' has a lot of information that you can study it. You can get a lot of advantage after read this book. This specific book exist new knowledge the information that exist in this guide represented the condition of the world today. That is important to yo7u to learn how the improvement of the world. This specific book will bring you within new era of the internationalization. You can read the e-book with your smart phone, so you can read that anywhere you want.

Don Morris:

As a student exactly feel bored in order to reading. If their teacher expected them to go to the library or even make summary for some e-book, they are complained. Just minor students that has reading's heart and soul or real their passion. They just do what the educator want, like asked to the library. They go to presently there but nothing reading really. Any students feel that studying is not important, boring along with can't see colorful photographs on there. Yeah, it is to become complicated. Book is very important in your case. As we know that on this era, many ways to get whatever we would like. Likewise word says, ways to reach Chinese's country. Therefore this Higgs: The Invention and Discovery of the 'God Particle' can make you feel more interested to read.

Jeff Weaver:

What is your hobby? Have you heard that question when you got students? We believe that that question was given by teacher for their students. Many kinds of hobby, Everybody has different hobby. And you know that little person like reading or as reading become their hobby. You need to understand that reading is very important and book as to be the point. Book is important thing to provide you knowledge, except your own personal teacher or lecturer. You get good news or update in relation to something by book. Amount types of books that can you choose to adopt be your object. One of them is niagra Higgs: The Invention and Discovery of the 'God Particle'.

Download and Read Online Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott #S1C0DWJ6EPG

Read Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott for online ebook

Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott books to read online.

Online Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott ebook PDF download

Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott Doc

Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott Mobipocket

Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott EPub

S1C0DWJ6EPG: Higgs: The Invention and Discovery of the 'God Particle' By Jim Baggott