



## The Discovery of Subatomic Particles

*Steven Weinberg*

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## **The Discovery of Subatomic Particles** Steven Weinberg

This commentary on the discovery of the atom's constituents provides an historical account of key events in the physics of the twentieth century that led to the discoveries of the electron, proton and neutron. Steven Weinberg introduces the fundamentals of classical physics that played crucial roles in these discoveries. Connections are shown throughout the book between the historic discoveries of subatomic particles and contemporary research at the frontiers of physics, including the most current discoveries of new elementary particles. Steven Weinberg was Higgins Professor of Physics at Harvard before moving to The University of Texas at Austin, where he founded its Theory Group. At Texas he holds the Josey Regental Chair of Science and is a member of the Physics and Astronomy Departments. His research has spanned a broad range of topics in quantum field theory, elementary particle physics, and cosmology, and has been honored with numerous awards, including the Nobel Prize in Physics, the National Medal of Science, the Heinemann Prize in Mathematical Physics, the Cresson Medal of the Franklin Institute, the Madison Medal of Princeton University, and the Oppenheimer Prize. In addition to the well-known treatise, *Gravitation and Cosmology*, he has written several books for general readers, including the prize-winning *The First Three Minutes* (now translated into 22 foreign languages), and most recently *Dreams of a Final Theory* (Pantheon Books, 1993). He has also written a textbook *The Quantum Theory of Fields*, Vol.I, Vol. II, and Vol. III (Cambridge).

## **The Discovery of Subatomic Particles Details**

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## **From Reader Review The Discovery of Subatomic Particles for online ebook**

### **Shees Hassan says**

Weinberg is no doubt an excellent writer but this book is somehow does not match with his standards. I found this book boring.

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### **John Strubhart says**

this is a concise and well explained exposition of particle physics.

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### **Manmohan Dash says**

I own this book but haven't read through much of it. Excellent history of particle physics. If one aspires to write books for Physicists and allied scientists one shall follow the ethos behind such book .

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### **Cristina says**

The book offers a chance (that i didn't take in school!) to learn about subatomic particles (electron, proton, neutron, quarks and so on). And the book is not just about that. All the concepts that come near to any experiment that has been made to find these subatomic particles are explained.

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### **Jovany Agathe says**

wow.

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### **Yasin says**

Alan'nda dünya çap'nda say'l? profesörlerden biri olan Sten Weinberg'in derst notlar?n? ustaca düzenlenmesi ile olu?an, fizik ile ilgilenen ilgilenmeyen her insan evlad?n?n okumas? gereken ve modern fizi?in dünyas?n? size anlatan bir kitap.

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### **Mika says**

I know Weinberg is supposed to be a good science writer (and physicist), but I just couldn't get into this

book. Maybe it's because I haven't read particle physics in nearly 20 years, maybe my math skills have degraded, or maybe it's because this book just could have been better. I feel that had it been two or three times longer, not only could the math, experimental conditions and theory been better presented, but he could have gone into more interesting detail about the discovery process itself, and all the personalities and institutions that brought us to today's understanding of the field.

Disappointing.

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