



Exploring Fundamental Particles (Paperback)

By Lincoln Wolfenstein, Joao P. Silva

Taylor Francis Inc, United States, 2010. Paperback. Book Condition: New. New.. 231 x 150 mm. Language: English . Brand New Book. The search for the elementary constituents of the physical universe and the interactions between them has transformed over time and continues to evolve today, as we seek answers to questions about the existence of stars, galaxies, and humankind. Integrating both theoretical and experimental work, Exploring Fundamental Particles traces the development of this fascinating field, from the discoveries of Newton, Fermi, and Feynman to the detection of CP violation and neutrinos to the quest to observe the Higgs boson and beyond. An Accessible yet In-Depth Account of How Fundamental Particles Shape Our World The book first examines the experiments and theoretical ideas that gave rise to the standard model. It discusses special relativity, angular momentum, spin, the Dirac electron, quantum field theory, Feynman diagrams, Pauli's neutrino, Fermi's weak interaction, Yukawa's pion, the muon neutrino, quarks, leptons, and flavor symmetry. The authors then explain the violation of the symmetry between matter and antimatter, known as CP violation. They cover the discoveries of CP violation in the decays of kaons and B mesons as well as future experiments that...



READ ONLINE
[8.26 MB]

Reviews

This ebook can be worthy of a read, and much better than other. I have read and i am certain that i am going to planning to go through again once again in the future. You may like just how the writer compose this book.

-- **Mr. Grant Stanton PhD**

A whole new eBook with an all new standpoint. It is actually rally fascinating throgh reading through time period. You wont truly feel monotony at anytime of your own time (that's what catalogues are for relating to when you request me).

-- **Claire Bartell**