a palette of particles JEREMY BERNSTEIN

A Palette of Particles (Hardback)

Filesize: 2.07 MB

Copyrighted Muterial

Reviews

It is an awesome book that we have possibly go through. It is actually writter in straightforward words and phrases and not confusing. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Tierra Kunde)

A PALETTE OF PARTICLES (HARDBACK)



HARVARD UNIVERSITY PRESS, United States, 2013. Hardback. Book Condition: New. 183 x 112 mm. Language: English . Brand New Book. From molecules to stars, much of the cosmic canvas can be painted in brushstrokes of primary color: the protons, neutrons, and electrons we know so well. But for meticulous detail, we have to dip into exotic hues--leptons, mesons, hadrons, quarks. Bringing particle physics to life as few authors can, Jeremy Bernstein here unveils nature in all its subatomic splendor. In this graceful account, Bernstein guides us through high-energy physics from the early twentieth century to the present, including such highlights as the newly discovered Higgs boson. Beginning with Ernest Rutherford s 1911 explanation of the nucleus, a model of atomic structure emerged that sufficed until the 1930s, when new particles began to be theorized and experimentally confirmed. In the postwar period, the subatomic world exploded in a blaze of unexpected findings leading to the theory of the quark, in all its strange and charmed variations. An eyewitness to developments at Harvard University and the Institute for Advanced Study in Princeton, Bernstein laces his story with piquant anecdotes of such luminaries as Wolfgang Pauli, Murray Gell-Mann, and Sheldon Glashow. Surveying the dizzying landscape of contemporary physics, Bernstein remains optimistic about our ability to comprehend the secrets of the cosmos--even as its mysteries deepen. We now know that over eighty percent of the universe consists of matter we have never identified or detected. A Palette of Particles draws readers into the excitement of a field where the more we discover, the less we seem to know.



Read A Palette of Particles (Hardback) Online

Download PDF A Palette of Particles (Hardback)

Other Kindle Books



Bringing Elizabeth Home: A Journey of Faith and Hope

BRILLIANCE AUDIO, United States, 2015. CD-Audio. Book Condition: New. Unabridged. 170 \times 133 mm. Language: English . Brand New. At 3:58 in the morning of June 5, 2002, Ed and Lois Smart awoke to the...

Read ePub »



The Right Kind of Pride: A Chronicle of Character, Caregiving and Community

Right Kind of Pride, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. After 20 years of marriage author Christopher Cudworth and his...

Read ePub »



My Life as a Third Grade Zombie: Plus Free Online Access (Hardback)

Gallopade International, United States, 2013. Hardback. Book Condition: New. 224 x 142 mm. Language: English . Brand New Book. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh...

Read ePub »



A Tale of Two Lesbians

Createspace, United States, 2015. Paperback. Book Condition: New. 203 x 127 mm. Language: English . Brand New Book ***** Print on Demand *****. Lucy Winters was an orphan since her parents passed away the year before...

Read ePub »



Becoming a Spacewalker: My Journey to the Stars (Hardback)

Purdue University Press, United States, 2014. Hardback. Book Condition: New. 284×216 mm. Language: English . Brand New Book. This nonfiction picture book is a children s version of NASA astronaut Jerry L. Ross...

Read ePub »