



Higgs Boson - Its Place in Particle Physics, the Universe, Space, and Beyond

By Mr John Gilbert Bean

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 208 pages. The latest advances in particle physics culminated in the experimental detection of the Higgs Boson at the high-energy collider at CERN, Switzerland. This theoretical and experimental feat will shape scientific study and research for many years to come. The breakthroughs in atomic and quantum theory in the last century revolutionized the world with computers, nuclear energy, and the internet. The coming breakthroughs in particle physics, string theory, and cosmology may be even more significant. This book is about physics, particle physics, cosmology, and relativity. It is written to be comprehensive, carefully organized, and easily understood by all levels. In some cases, simple mathematics is included as a bridge for further reading and study but can be easily skipped without concern. Qualitative information about the Higgs Boson, other elementary particles, physics, the Universe, and Space beyond is provided in an uncomplicated, yet thorough manner. There are 17 sections including: Elementary particles fermions (leptons and quarks) and bosons. Composite particles - hadrons (mesons and baryons). Particle interactions. Empty space is not empty. Higgs fields and bosons impart mass and gravity. Objects with mass follow geodesics...



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