

**The Mysterious
World of
Fundamental
Particles
Cosmic Beginnings
MOHIT JOSHI**

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The Mysterious World of Fundamental Particles: Cosmic Beginnings

By MR Mohit Joshi

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.This book covers the following topics: Discovery of Fundamental Particles Classification of Fundamental Particles Quarks Leptons Antiparticles Bosons Interactions Centre-of-mass Energy Virtual Photons Electromagnetic Interactions Gluons and Colour Charges W Boson and Weak Processes Coupling and Coupling Constants Hadrons Baryons and Mesons Hyperfine Splitting Discovery of Partons inside Nucleons Baryon Octet, Baryon Decuplet, Meson Nonet Strangeness Isospin Baryon Octet with spin 1/2 Baryon Decuplet with spin 3/2 Meson Nonet with spin 0 Meson Nonet with spin 1 Discovery of Strange Quark Examples of the Decays Cosmic Rays and Muons Parity Charge conjugation CP Operation Cross-Section and Resonance Branching Ratio Discovery of W and Z bosons Accelerators and Colliders Discovery of Vector Mesons Quarkonium Omega Baryons Production and Separation of Secondary Beams Examples of Interactions Neutral K Mesons D Mesons B Mesons Supermultiplets Charmed and Bottom Lambda Baryons Charmed and Bottom Sigma Baryons Charmed and Bottom Xi Baryons Charmed and Bottom Omega Baryons Positive Bottom Sigma-star Baryon Neutral Bottom Xi-star Baryon The Top Quark V Particles Higgs Boson Neutrinos Mean Lifetime Electroweak Unification Grand Unified Theory Supersymmetry The Big...



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