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Searches ; 10. Conclusions and Outlook ; Acknowledgments ; References III. Applications of Trapped Atoms for Fundamental Symmetry Studies 1. Introduction ; 2. Laser traps for neutral atoms ; 3. Applications of atom traps to fundamental interaction studies ; 4. Conclusions ; Acknowledgments ; References ; Exclusive D Semileptonic Decays at CLEO-C 1. Exclusive D Semileptonic Decays 2. CLEO-c Detector and Datasets ; 3. Methods of Reconstruction and Results ; 4. Conclusions ; References ; Direct CP Violation Results from BABAR ; 1. Introduction ; 2. Data Sample and Experimental Methods ; 3. Charge Asymmetry Measurements 4. Time-dependent Measurements

Sommario/riassunto

This proceedings volume contains pedagogical lectures on theoretical and experimental particle physics, cosmology and atomic trap physics. It also includes additional contributions that provide up-to-date information on new experimental results from accelerators, underground laboratories, and nuclear astrophysics. This combination of pedagogical talks and topical short talks provides comprehensive information to researchers in the fields of particle physics, cosmology and atomic trap physics. Sample Chapter(s)
Chapter 1: New Physics in B and K Decays (1,704 KB)

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