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## Nota di contenuto

Sponsors and Committees; Foreword; CONTENTS; On the Fundamental Symmetries in Particle Physics; 1 What is known on CPT invariance; 2 What about CP violation itself?; 3 Conclusions and outlook; References; Chiral Symmetry in Lattice QCD; 1 Introduction; 2 The effective action for the QCD quark determinant; 3 Discussion; References; NA48 Rare Decay Results; 1 Introduction; 2 NA48 as a rare decay experiment; 3 KL Dalitz and double Dalitz decays; 4 Status of KL  $\rightarrow \pi^+ \pi^- e^+ e^-$ ; 5 Hyperon studies; 6 Summary and future; References; Two Photon Physics at LEP; 1 Introduction  
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3 Single Particle and Jet Production; 4 Heavy Quark Production; 5 Hadronic structure function  $F_2$ ; QCD2; 6  $e^+e^-$  Collisions; 7 Outlook; References; Adler Function from  $R_{e^+e^-}(s)$  Measurements: Experiments vs QCD theory; 1. Introduction; 2. Electron-positron annihilation: experiment vs QCD predictions.; References; Perturbation Theory with Convergent Series for Large Values of Coupling Constant: A Calculation of  $\beta$ -Function in 4 Model; Introduction; 1 The Method; 2 Examples; References; Two-Dimensional QCD and Instanton Contribution; 1 INTRODUCTION  
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Possible Observational Evidences of Non-Compact (Non-Baryonic) Microlenses ("Neutralino Stars")

## Sommario/riassunto

This proceedings volume deals with a wide variety of topics in particle physics, in both theory and experiment. Contents: On the Fundamental Symmetries in Particle Physics (E Shabalin); Chiral Symmetry in Lattice QCD (A Slavnov); Two-Photon Physics at LEP (G Passaleva); Color Reconnection and Bose-Einstein Correlations at LEP2 (Th Ziegler); A NLO QCD Analysis of the Spin Structure Function  $g_1$  and Higher Twist Correlations (E Leader et al.); Heavy Quark Asymmetries (A Tricomi); Experimental Signature of a Fermiophobic Higgs Boson (L Bruecher & R Santos); The AMS Experiment: First Results and P