



## CONTENTS

THE NUCLEAR MICROPROBE, <i>M. B. H. Breese, G. W. Grime, and F. Watt</i>	1
EXPLOSIVE HYDROGEN BURNING, <i>A. E. Champagne and M. Wiescher</i>	39
HADRONIC INTERFEROMETRY IN HEAVY-ION COLLISIONS, <i>Wolfgang Bauer, Claus-Konrad Gelbke, and Scott Pratt</i>	77
LIGHT-QUARK, HEAVY-QUARK SYSTEMS, <i>Benjamin Grinstein</i>	101
DELAYED FISSION, <i>Howard L. Hall and Darleane C. Hoffman</i>	147
CLASSICAL SOLUTIONS IN QUANTUM FIELD THEORIES, <i>Erick J. Weinberg</i>	177
CP VIOLATION IN B PHYSICS, <i>Yosef Nir and Helen R. Quinn</i>	211
TESTS OF PERTURBATIVE QCD AT LEP, <i>S. Bethke and J. E. Pilcher</i>	251
PARTON DISTRIBUTION FUNCTIONS OF HADRONS, <i>Joseph F. Owens and Wu-Ki Tung</i>	291
NUCLEONS AS SKYRMIONS, <i>Makoto Oka and Atsushi Hosaka</i>	333
HADROPRODUCTION OF CHARM PARTICLES, <i>J. A. Appel</i>	367
EXCITATION ENERGY DIVISION IN DISSIPATIVE HEAVY-ION COLLISIONS, <i>J. Töke and W. U. Schröder</i>	401
ANGULAR MOMENTUM DISTRIBUTIONS IN SUBBARRIER FUSION REACTIONS, <i>Robert Vandenbosch</i>	447
NUCLEAR STRUCTURE AT HIGH EXCITATION ENERGY STUDIED WITH GIANT RESONANCES, <i>Jens Jørgen Gaardhøje</i>	483
RELATIVISTIC HEAVY-ION PHYSICS AT CERN AND BNL, <i>Johanna Stachel and Glenn R. Young</i>	537
CUMULATIVE INDEXES	
Contributing Authors, Volumes 33–42	599
Chapter Titles, Volumes 33–42	602