



## CONTENTS

REMINISCENCES OF THE CAVENDISH LABORATORY IN THE 1930s, <i>Maurice Goldhaber</i>	1
PROGRESS IN ELECTROWEAK BARYOGENESIS, <i>Andrew G. Cohen, D. B. Kaplan, and A. E. Nelson</i>	27
OCTUPOLE SHAPES IN NUCLEI, <i>Irshad Ahmad and Peter A. Butler</i>	71
THE STATUS OF THE SOLAR NEUTRINO PROBLEM, <i>T. J. Bowles and Vladimir N. Gavrin</i>	117
PION DOUBLE CHARGE EXCHANGE IN NUCLEI, <i>M. B. Johnson and C. L. Morris</i>	165
EFFECTIVE FIELD THEORIES, <i>Howard Georgi</i>	209
THE ANTIPROTON SOURCES: DESIGN AND OPERATION, <i>M. D. Church and J. P. Marriner</i>	253
ADVANCED FISSION POWER REACTORS, <i>Michael W. Golay</i>	297
UPSILON SPECTROSCOPY: TRANSITIONS IN THE BOTTOMONIUM SYSTEM, <i>D. Besson and T. Skwarnicki</i>	333
MULTIFRAGMENTATION IN HEAVY-ION PROCESSES, <i>L. G. Moretto and G. J. Wozniak</i>	379
THE TAU LEPTON AND ITS NEUTRINO, <i>Alan J. Weinstein and Ryszard Stroynowski</i>	457
NUCLEI AT THE LIMITS OF PARTICLE STABILITY, <i>Alex C. Mueller and Bradley M. Sherrill</i>	529
QCD TESTS IN PROTON-ANTIPROTON COLLISIONS, <i>John E. Huth and Michelangelo L. Mangano</i>	585
PHYSICS AND ACCELERATOR APPLICATIONS OF RF SUPERCONDUCTIVITY, <i>H. Padamsee, K. W. Shepard, and R. Sundelin</i>	635
FUNDAMENTAL PHYSICS WITH ULTRACOLD NEUTRONS, <i>J. M. Pendlebury</i>	687
RARE AND RADIATIVE KAON DECAYS, <i>L. Littenberg and G. Valencia</i>	729

(continued)

vi CONTENTS

*(Contents continued)*

PROGRESS IN QCD USING LATTICE GAUGE THEORY, <i>Andreas S. Kronfeld and Paul B. Mackenzie</i>	793
RECENT ADVANCES IN THE STUDY OF PARITY VIOLATION IN THE COMPOUND NUCLEUS, <i>J. D. Bowman, G. T. Garvey, Mikkel B. Johnson, and G. E. Mitchell</i>	829
THE SEARCH FOR DISCRETE ASTROPHYSICAL SOURCES OF ENERGETIC GAMMA RADIATION, <i>J. W. Cronin, K. G. Gibbs, and T. C. Weekes</i>	883
CUMULATIVE INDEXES	
Contributing Authors, Volume 34–43	927
Chapter Titles, Volumes 34–43	931