



## CONTENTS

PEACEFUL PASTIMES 1930–1950, <i>Robert Serber</i>	1
MEASUREMENT OF TEMPERATURE IN NUCLEAR REACTIONS, <i>Walter Benenson, David J. Morrissey, William A. Friedman</i>	27
FISSION TIME SCALES FROM GIANT DIPOLE RESONANCES, <i>Peter Paul, Michael Thoennessen</i>	65
ISOVECTOR EXCITATIONS IN NUCLEI, <i>J. Rapaport, E. Sugarbaker</i>	109
HADRONIC RADIOTHERAPY, <i>Paula L. Petti, Arlene J. Lennox</i>	155
PARTON DENSITIES AT HIGH ENERGY, <i>Eric Laenen, Eugene Levin</i>	199
DOUBLE BETA DECAY, <i>Michael Moe, Petr Vogel</i>	247
TECHNICAL ISSUES OF A NUCLEAR TEST BAN, <i>Sidney Drell, Bob Peurifoy</i>	285
CHARMONIUM FORMATION IN $\bar{p}p$ ANNIHILATIONS, <i>R. Cester, P. A. Rapidis</i>	329
OPTICALLY PUMPED POLARIZED H, D, AND $^3\text{He}$ GAS TARGETS, <i>T. E. Chupp, R. J. Holt, R. G. Milner</i>	373
THE ELECTRON-PROTON COLLIDER HERA, <i>G.-A. Voss, B. H. Wiik</i>	413
CRYSTAL CALORIMETERS IN PARTICLE PHYSICS, <i>G. Gratta, H. Newman, R. Y. Zhu</i>	453
THE GEOMETRICAL COLOR OPTICS OF COHERENT HIGH-ENERGY PROCESSES, <i>L. L. Frankfurt, G. A. Miller, M. Strikman</i>	501
LARGE ARRAYS OF ESCAPE-SUPPRESSED GAMMA-RAY DETECTORS, <i>P.J. Nolan, F. A. Beck, D. B. Fossan</i>	561
EXPERIMENTAL CHALLENGES IN HIGH-LUMINOSITY COLLIDER PHYSICS, <i>Nick Ellis, Tejinder S. Virdee</i>	609
ASTROPHYSICAL SOURCES OF GRAVITATIONAL RADIATION, <i>S. Bonazzola, J.-A. Marck</i>	655
CUMULATIVE INDEXES	
Contributing Authors, Volume 35–44	719
Chapter Titles, Volumes 35–44	723