

CONTENTS

	PAGE
THE ORIGIN AND ABUNDANCE DISTRIBUTION OF THE ELEMENTS, <i>R. A. Alpher and R. C. Herman</i>	1
ENERGY PRODUCTION IN STARS, <i>E. E. Salpeter</i>	41
THE PRODUCTION AND DISTRIBUTION OF NATURAL RADIOCARBON, <i>E. C. Anderson</i>	63
RECENT PROGRESS IN ACCELERATORS, <i>E. L. Chu and L. I. Schiff</i>	79
NUCLEAR REACTIONS INDUCED BY HIGH ENERGY PARTICLES, <i>D. H. Templeton</i>	93
RECENT STUDIES OF PHOTONUCLEAR REACTIONS, <i>K. Strauch</i>	105
ANGULAR CORRELATION OF NUCLEAR RADIATION, <i>H. Frauenfelder</i>	129
SUBNUCLEAR PARTICLES, <i>J. S. Blair and G. F. Chew</i>	163
RADIATION EFFECTS IN SOLIDS, <i>G. J. Dienes</i>	187
ISOTOPES, <i>J. Bigeleisen</i>	221
NUCLEAR MOMENTS, <i>B. T. Feld</i>	239
THE EXPERIMENTAL CLARIFICATION OF THE THEORY OF β -DECAY, <i>E. J. Konopinski and L. M. Langer</i>	261
β -DECAY ENERGETICS, <i>C. D. Coryell</i>	305
ORIGIN AND PROPAGATION OF COSMIC RAYS, <i>L. Biermann</i>	335
ADVANCES IN NUCLEON-NUCLEON SCATTERING EXPERIMENTS AND THEIR THEORETICAL CONSEQUENCES, <i>G. Breit and R. L. Gluckstern</i>	365
HIGH ENERGY FISSION, <i>R. W. Spence and G. P. Ford</i>	399
INDEXES	411