

CONTENTS

| | PAGE |
|---|------|
| FOREWORD | vii |
| ACKNOWLEDGEMENTS | viii |
| 1 CYCLOTRONS | 1 |
| <i>T. G. Pickavance</i> | |
| 2 HIGH VOLTAGE DIRECT CURRENT GENERATORS | 21 |
| <i>R. L. Fortescue</i> | |
| 3 PHOTOGRAPHIC EMULSION TECHNIQUE | 37 |
| <i>J. Rotblat</i> | |
| 4 ELECTRONIC CIRCUITS FOR NUCLEAR DETECTORS | 73 |
| <i>G. G. Scarrott</i> | |
| 5 THEORY OF BETA-DECAY | 115 |
| <i>T. Skyrme</i> | |
| 6 SPECTROSCOPY OF BETA- AND GAMMA-RAYS.. .. . | 140 |
| <i>P. E. Cavanagh</i> | |
| 7 THE SZILARD-CHALMERS PROCESS | 168 |
| <i>H. A. C. McKay</i> | |
| 8 THE SCATTERING OF NEUTRONS BY CRYSTALS | 185 |
| <i>J. M. Cassels</i> | |
| NAME INDEX | 217 |
| SUBJECT INDEX | 223 |