

## Contents

	<i>Preface</i>	7
	<i>Foreword</i>	9
1	The Nuclear Atom	1
2	Atomic Structure	19
3	The Nucleus	55
4	Radioactivity	72
5	Induced Nuclear Reactions	103
6	Nuclear Structure	125
7	Nuclear Fission and Nuclear Fusion	136
8	Neutron Physics	152
9	The Interaction of Charged Particles and Electromagnetic Radiation with Matter	195
	<i>Index</i>	215