TABLE OF CONTENTS

Preface	V
Introduction to Astrophysics by H.C. van de Hulst	1
PART I / ULTRAVIOLET RADIATION	
Theoretical Aspects of Stellar Ultraviolet Radiation by Anne B. Underhill	17
Ultraviolet Astronomy: Observational Aspects by R. Wilson	30
Observations of Solar Ultraviolet Radiation by H.E. Hinteregger	71
Solar XUV Observations from Stabilized Skylark Rockets by R. Wilson	76
Overall Concept of the ESRO Astronomical Satellite by L.A. Husain	83
PART IJ / X-RADIATION	
Theoretical Aspects of Solar X-Radiation by C. de Jager	101
Observations of Solar X-Rays by J. Labeyrie	125
Observation of Stellar X-Ray Sources by B. Rossi	164
PART III / COSMIC RADIATION	
Rayons Cosmiques et Rayonnement Synchrotron by J. Lequeux	199
Theoretical Aspects of Celestial Gamma-Rays by R. Lüst and K. Pinkau	231
Cosmic Radiation by P.L. Marsden	249
Some Unresolved Problems in the Corpuscular Cosmic Radiation by B. Peters	263

TABLE OF CONTENTS

Celestial Gamma-Rays – Observational Aspects	
by G. W. Hutchinson	
Experimental Observations of Primary Cosmic Ray Electrons	282
by L. Scarsi	
Index of names	299
INDEX OF SURJECTS	302