

CONTENTS

Electron-Ion and Proton-Ion Collisions in Astrophysics	1
A. Dalgarno	
The Role of Atomic Collisions in Fusion.	37
D.E. Post	
Theory of Electron-Atom Collisions	101
Y.-K. Kim	
Potential Energy Curves for Dissociative Recombination	167
S.L. Guberman	
Electron-Impact Excitation of Ions	201
D.H. Crandall	
Electron-Impact Ionization of Ions	239
E. Salzborn	
Experimental Studies of Electron-Ion Recombination	279
J.B.A. Mitchell and J.W. McGowan	
Theory of Low Energy Ion-Ion Charge Exchange	325
A. Salin	
The Measurement of Inelastic Ion-Ion and Electron-Ion Collisions	373
K.T. Dolder	
On the Measurement of Ion(Atom)-Ion(Atom) Charge Exchange.	415
F. Brouillard and W. Claeys	
Confinement of Ions for Collision Studies.	461
J.B. Hasted	
Studies of Ion-Ion Recombination Using Flowing Afterglow Plasmas	501
David Smith and Nigel G. Adams	
Index	533