

Claudio Chiuderi Giorgio Einaudi (Eds.)

 dandelion.com

© 2008 AGI-Information Management Consultants  
May be used for personal purposes only or by  
libraries associated to [dandelion.com](http://dandelion.com) network.

# Plasma Astrophysics



Lectures Held at the  
Astrophysics School VII

Organized by the European Astrophysics Doctoral Network  
(EADN) in San Miniato, Italy, 4–14 October 1994



Springer

# Contents

## Part I. Basic Theory

Resistive and Collisionless Magnetic Reconnection .....	1
<i>D. Biskamp</i>	
Rotating MHD Winds .....	31
<i>J. Heyvaerts</i>	
Particle Acceleration .....	101
<i>J. Kuipers</i>	
Turbulence, Statistics and Structures: An Introduction .....	163
<i>A. Pouquet</i>	

## Part II. Observational and Instrumental Methods

Radio Astronomical Diagnostics .....	213
<i>A.O. Benz</i>	
Spectroscopic Diagnostics of Astrophysical Plasmas .....	241
<i>R. Pallavicini</i>	
Hot Plasmas in Space: X-Ray Diagnostics Instrumentation .....	285
<i>H.W. Schnopper</i>	