

1. Record Nr.	UNISA996466804603316
Titolo	Plasma Astrophysics [[electronic resource] /] / edited by Claudio Chiuderi, Giorgio Einaudi
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1996
ISBN	3-540-49789-7
Edizione	[1st ed. 1996.]
Descrizione fisica	1 online resource (VII, 332 p. 53 illus.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 468
Disciplina	523.01
Soggetti	Atoms Physics Observations, Astronomical Astronomy—Observations Astrophysics Geophysics Elementary particles (Physics) Quantum field theory Statistical physics Dynamical systems Atomic, Molecular, Optical and Plasma Physics Astronomy, Observations and Techniques Astrophysics and Astroparticles Geophysics/Geodesy Elementary Particles, Quantum Field Theory Complex Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Resistive and collisionless magnetic reconnection -- Rotating MHD winds -- Particle acceleration -- Turbulence, statistics and structures: an introduction -- Radio astronomical diagnostics -- Spectroscopic diagnostics of astrophysical plasmas -- Hot plasmas in space: X-ray diagnostic instrumentation.

Sommario/riassunto

The book contains the notes of the lectures presented by outstanding experts at the 7th EADN School on plasma astrophysics. It is an up-to-date review of a number of basic topics in the physics of cosmic plasmas. The subject is treated both from a theoretical point of view and from that of the observational and diagnostic tools that provide us with the physically relevant data. The reader will have at hands a comprehensive and rather complete presentation of the subject, thanks also to the parallel development of the theoretical and experimental aspects. The book addresses graduate students and researchers in different areas who want to have a rapid and up-to-date introduction to this subject.
