

1. Record Nr.	UNINA9910453188603321
Autore	Giovannini Massimo
Titolo	A primer on the physics of the cosmic microwave background [[electronic resource] /] / Massimo Giovannini
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2008
ISBN	1-281-93393-7 9786611933937 981-279-143-4
Descrizione fisica	1 online resource (xiv, 474 p.) : ill
Disciplina	523.1
Soggetti	Cosmic background radiation Physics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Formerly CIP.
Nota di bibliografia	Includes bibliographical references (p. 455-466) and index.
Nota di contenuto	Why CMB Physics; Electromagnetic Emission of the Observable Universe; From CMB to the Standard Cosmological Model; Problems with the Standard Cosmological Model (SCM); Beyond the SCM; Essentials of Inflationary Dynamics; Inhomogeneities in FRW Models; The First Lap in CMB Anisotropies; Improved Fluid Description of Pre-Decoupling Physics; Kinetic Hierarchies of Multipole Moments; Early Initial Conditions; Surfing on the Gauges; Interacting Fluids; Spectator Fields; Appendices: The Concept of Distance in Cosmology; Kinetic Description of Hot Plasmas; Scalar Modes of the Geometry; Metric Fluctuations: Gauge Independent Treatment.
Sommario/riassunto	This title addresses the general motivations and principles that inspire modern searches of a common lore in gravitation, cosmology and high energy physics.