

1. Record Nr.	UNINA9910831200903321
Titolo	Reviews in modern astronomy . Volume 20 Cosmic matter // edited by Siegfried Roser
Pubbl/distr/stampa	Weinheim, [Germany] : , : Wiley-VCH Verlag GmbH & Co. KGaA, , 2008 ©2008
ISBN	1-281-84277-X 9786611842772 3-527-62299-3 3-527-62300-0
Descrizione fisica	1 online resource (433 p.)
Collana	Reviews in Modern Astronomy
Disciplina	523.1
Soggetti	Cosmology Large scale structure (Astronomy)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Reviews in Modern Astronomy; Contents; Preface; Karl Schwarzschild Lecture: Als die Computer die Astronomie eroberten; Ludwig Biermann Award Lecture I: Massive Star Formation: The Power of Interferometry; Ludwig Biermann Award Lecture II: At the Bottom of the Main Sequence Activity and Magnetic Fields Beyond the Threshold to Complete Convection; Structure Formation in the Expanding Universe: Dark and Bright Sides; From COBE to Planck; Thirty Years of Research in Cosmology, Particle Physics and Astrophysics and How Many More to Discover Dark Matter?; Gravitational Wave Astronomy High-(Energy)-Lights - The Very High Energy Gamma-Ray SkyAstronomy with Ultra High-Energy Particles; Hydrodynamical Simulations of the Bullet Cluster; Pulsar Timing - From Astrophysics to Fundamental Physics; The Assembly of Present-Day Galaxies as Witnessed by Deep Surveys; The First Stars; Massive Stars as Tracers for Stellar and Galactochemical Evolution; Formation and Evolution of Brown Dwarfs; Status and Perspectives of Astroparticle Physics in Europe; Index of Contributors; General Table of Contents

Sommario/riassunto

This 20th volume in the series contains 16 invited reviews and highlight contributions presented during the 2007 International Scientific Conference of the German Astronomical Society on the topic of "Cosmic Matter", held in Würzburg, Germany. The papers published here discuss a wide range of hot topics, including cosmology, high-energy astrophysics, astroparticle physics gravitational waves, extragalactic and stellar astronomy-together representing the roadmap for astroparticle physics in Europe.
