

1. Record Nr.	UNISA996466791403316
Titolo	Stellar Candles for the Extragalactic Distance Scale [[electronic resource] /] / edited by Danielle Alloin, Wolfgang Gieren
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003
ISBN	3-540-39882-1
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (XIV, 309 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 635
Disciplina	523.1/12
Soggetti	Observations, Astronomical Astronomy—Observations Astrophysics Gravitation Astronomy, Observations and Techniques Astrophysics and Astroparticles Classical and Quantum Gravitation, Relativity Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	The HST Key Project on the Extragalactic Distance Scale: A Search for Three Number -- Calibration of the Distance Scale From Cepheids -- Currents Uncertainties in the Use of Cepheids as Distance Indicators -- The Cepheid Calibration of Type Ia Supernovae as Standard Candles -- RR Lyrae Distance Scale: Theory and Observations -- Globular Cluster Distances From RR Lyrae Stars -- Blue Supergiants as a Tool For Extragalactic Distance - Theoretical Concepts -- Blue Supergiants as a Tool for Extragalactic Distances - Empirical Diagnostics -- Supernovae as Cosmological Standard Candles -- Type Ia -Supernovae and Cosmology Models for Type Ia Supernovae and Cosmology -- Novae as Distance Indicators -- Extragalactic Distances from Planetary Nebulae -- Distances to Local Group Galaxies -- The Globular Cluster Luminosity Function: New Progress in Understanding an Old Distance Indicator.
Sommario/riassunto	This volume reviews the current status with respect to both theory and observation of the extragalactic distance scale. A sufficient accuracy is

required both for a precise determination of the cosmological parameters and also in order to achieve a better understanding of physical processes in extragalactic systems. The "standard candles", used to set up the extragalactic distance scale, reviewed in this book include cepheid variables, RR Lyrae variables, novae, Type Ia and Type II supernovae as well as globular clusters and planetary nebulae.

---