

1. Record Nr.	UNINA9910822666403321
Titolo	Astroparticle Physics [[electronic resource] ] : proceedings of the first NCTS workshop : Kenting, Taiwan, 6-8 December 2001 // editors, Husain Athar, Guey-Lin Lin, Kin-Wang Ng
Pubbl/distr/stampa	River Edge, N.J., : World Scientific, c2002
ISBN	1-281-92938-7 9786611929381 981-277-686-9
Descrizione fisica	1 online resource (viii, 184 p. ) : ill. (some col.)
Altri autori (Persone)	AtharHusain LinGuey-Lin NgKin-Wang
Disciplina	523.0197
Soggetti	Neutrino astrophysics Particles (Nuclear physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The first NCTS Workshop on Astroparticle Physics was held at Kenting National Park, Taiwan, from December 6th to December 8th, 2001"-- Pref.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Lectures. The highest energy cosmic rays, gamma-rays and neutrinos: facts, fancy and resolution / F. Halzen -- Big Bang nucleosynthesis, implications of recent CMB data and supersymmetric dark matter / K. Olive -- Invited talks. Research program of the TEXENO collaboration: status and highlights / H.T.-K. Wong and J. Li -- New results from AMS cosmic ray measurements / M.A. Huang -- Measurement of attenuation length in rock salt and limestone in radio wave for ultra-high energy neutrino detector / M. Chiba ... [et al.] -- Expected performance of a neutrino telescope for seeing AGN/GC behind a mountain / George W. S. Hou and M.A. Huang -- Galactic high-energy cosmic-ray tau neutrino flux / K. Cheung ... [et al.] -- On non hadronic origin of high energy neutrinos / H. Athar and G.-L. Lin -- Questions in cosmology and particle astrophysics / W.-Y.P. Hwang -- Noncommutative early universe / P.-M. Ho -- Cosmological constant, quintessence and mini-universes / X.-G. He -- Stability of the anisotropic brane cosmology /

W.F. Kao -- Dark energy, primordial magnetic fields, and time-varying fine-structure constant / K.-W. Ng.

Sommario/riassunto

This volume contains detailed articles by theorists and experimentalists in the newly developing field of astroparticle physics. A large variety of topics are covered. These include the role of neutrinos in astroparticle physics, big bang nucleosynthesis, string theory and cosmology.