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| Altri autori (Persone)  | AtharHusain<br>LinGuey-Lin<br>NgKin-Wang                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| 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"--<br>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.

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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.

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