

1. Record Nr.	UNINA9910777496703321
Titolo	New worlds in astroparticle physics [[electronic resource] ] : proceedings of the Fifth International Workshop, Faro, Portugal, 8-10 January 2005 / / editors, Ana M. Mourao ... [et al.]
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2006
ISBN	1-281-91948-9 9786611919481 981-277-443-2
Descrizione fisica	1 online resource (352 p.)
Altri autori (Persone)	MouraoAna M
Disciplina	523.01972
Soggetti	Cosmology Nuclear astrophysics Particles (Nuclear physics)
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.
Nota di contenuto	CONTENTS ; Preface ; Group Photo ; Part 1 Overviews in Astroparticie Physics ; An Overview of the Status of Work on Ultra High Energy Cosmic Rays ; Gravitational Waves from Compact Sources ; Neutrino Physics and Astrophysics ; Black Holes and Fundamental Physics Part 2 Contributions Cosmic Ray Physics ; Phenomenology of Cosmic Ray Air Showers ; First Results from the MAGIC Experiment ; How to Select UHECR in EUSO - The Trigger System ; Pressure and Temperature Dependence of the Primary Scintillation in Air ; Overview of the GLAST Physics Velocity and Charge Reconstruction with the AMS/RICH Detector Isotope Separation with the RICH Detector of the AMS Experiment ; Gravitational Waves and Compact Sources ; Gravitational Radiation from 3D Collapse to Rotating Black Holes The Role of Differential Rotation in the Evolution of the r-Mode

Instability

Analytical r-Mode Solution with Gravitational Radiation Reaction Force

; Space Radiation: Effects and Monitoring Particles from the Sun

; Simulations of Space Radiation Monitors

GEANT4 Detector Simulations: Radiation Interaction Simulations for the High-Energy Astrophysics Experiments EUSO and AMS

Software for Radiological Risk Assessment in Space Missions

; Neutrino Physics ; Results from K2K ;

SNO: Salt Phase Results and NCD Phase Status

The ICARUS Experiment

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Sommario/riassunto

In international workshops on "New Worlds in Astroparticle Physics" held biannually, astronomers, astrophysicists and particle physicists discuss recent developments in the exciting and rapidly developing field of Astroparticle Physics. Similar to previous workshops, this 5th international workshop introduced experimental, observational and theoretical subjects through review lectures. This was followed by shorter contributions on the recent developments in Astroparticle Physics. This workshop covered an array of subjects like cosmic rays, gravitational waves, space radiation, neutrino physics

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