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The Role of Differential Rotation in the Evolution of the r-Mode
Instability
Analytica 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

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 physic
