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Nota di contenuto	CONTENTS ; Preface ; COSMOLOGY ; Dark Energy ; Looking Back with Neutrinos ; SUPERNOVAE NUCLEOSYNTHESIS ; Neutrino Effects in Nucleosynthesis ; Supernova Studies at ORLaND ; SOLAR NEUTRINOS ; Astrophysical Neutrinos: 20th Century and Beyond Single Atom Extraction and Classification with a Hybrid Solar Neutrino Detector The Sudbury Neutrino Observatory ; The Solar Core and Solar Neutrinos ; NEUTRINO PROPERTIES - THEORETICAL ; Neutrinos and the Standard Model ; Mass Matrix for Atmospheric Solar and

LSND Neutrinos

What is Coherent in Neutrino Oscillations - the Analog with a Two-Slit Experiment

NEUTRINO PROPERTIES - EXPERIMENTAL ;

Atmospheric Neutrinos in Super-Kamiokande

; A Review of Neutrino Oscillation Search at Accelerators

The BOREXINO Project and Fundamental Achievements in the Very Low Radioactivity Techniques

Searches for Non-SM Physics with the KARMEN Experiment

; Results of the Palo Verde Long Baseline Reactor Neutrino Experiment

; The Observatory for Multiflavor Neutrinos from Supernovae

Lead Perchlorate as a Neutrino Detection Medium

Direct Neutrino Mass Measurement with a Superconductive Detector

; Nuclear Spin Isospin Responses and Spectroscopy of BB Rays from 100Mo for Neutrino Studies in Nuclei

; ORLAND OAK RIDGE LABORATORY FOR NEUTRINO DETECTORS

Physics Opportunities at the Proposed ORLaND Neutrino Facility

Sommario/riassunto

Neutrinos play a key role in many areas of particle physics, nuclear physics and astrophysics. The recent discovery of neutrino oscillation has given the first hint of new physics beyond the standard model. Clearly, it is extremely important to study further the oscillation and other fundamental properties of neutrinos. It is also important to improve our knowledge of neutrino-nucleus reactions, which are crucial for understanding a large class of astrophysical phenomena. These and many other interesting questions can be investigated at stopped pion neutrino facilities like the one planned fo