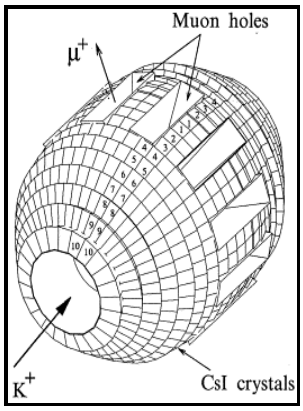
Design and testing of a water Cherenkov muon polarimeter.

- - Upgrading the water Cherenkov tanks for atmospheric shower identification



Description: -
-
Scour at bridges -- Indiana -- Scott County.
Turkey -- Foreign relations -- Romania -- Transylvania
Transylvania (Romania) -- Foreign relations -- Turkey
Thirty Years War, 1618-1648 -- Sources
Rákóczi György -- I, -- Prince of Transylvania, -- 1593-1648.
Canon (Literature)
African literature -- Study and teaching.
Physics Thesesdesign and testing of a water Cherenkov muon polarimeter.
-design and testing of a water Cherenkov muon polarimeter.
Notes: Thesis (M.Sc.), Dept. of Physics, University of Toronto
This edition was published in 1985

Filesize: 4.77 MB

Tags: #Upgrading #the #water #Cherenkov #tanks #for #atmospheric #shower #identification

Upgrading the water Cherenkov tanks for atmospheric shower identification

This light is collected by photomultipliers tubes and a coincidence between several neighbouring tanks provides an efficient trigger for shower detection. The cutoff of the spectrum around 50 EeV is now clearly established, but its interpretation is still ambiguous: it could be due to the so-called GZK effect on a flux dominated by protons, or by an upper bound on the acceleration in the sources, or a combined scenario. An antimony microelectrode was used to measure pH close to the sample surface.

Upgrading the water Cherenkov tanks for atmospheric shower identification

From S 1 and S 2 a linear system gives an estimation of Φ μ and Φ em Summary and conclusion The water Cherenkov tanks are robust an can work in an autonomous way over long periods. Present ground based detectors, especially water Cherenkov tanks, provide some indicators, in complement to the depth of maximum directly measured by fluorescence telescopes; but these indicators rely on models of the hadronic interactions at ultra-high energy, which cannot be observed in present colliders. Injection of NH 4OH into the solution improved the passivation.

Upgrading the water Cherenkov tanks for atmospheric shower identification

Nitrided steel underwent reactivation during reverse cathodic sweeps which is characteristic of low content of chromium oxide in surface film.

Upgrading the water Cherenkov tanks for atmospheric shower identification

Electrons and positrons are generally stopped within the water and their range is What is measured in the muonic component? This contribution reviews the lessons learned from the development of the power system for the Phase-1 pixel detector, and summarizes the experience gained from the production phase.

Upgrading the water Cherenkov tanks for atmospheric shower identification

The electrochemical behaviour of AISI 316L steel after nitriding at 415 °C with up to 17 at. After the successful conclusion of an extensive

development and prototyping phase, mass production of 1800 DC—DC converters as well as motherboards and other power PCBs has now been completed.

Related Books

- Femminismo della Bibbia.
- Giorgio de Chirico - post-metaphysical & baroque paintings 1920-1970
- Frontiers in astronomy - readings from Scientific American. With introductions by Owen Gingerich.
- Théâtre en 2 volumes
- Chasing rainbows.