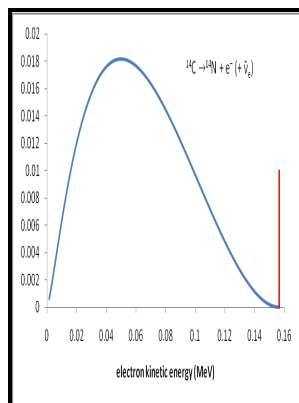


Plans For A High-Resolution Measurement of the Tritium Beta-Spectrum End Point to Determine the Neutrino Mass.

s.n - Double beta decay experiments at Canfranc Underground Laboratory



Description: -

-Plans For A High-Resolution Measurement of the Tritium Beta-Spectrum End Point to Determine the Neutrino Mass.

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Atomic Energy of Canada Limited. AECL -- 7904Plans For A High-Resolution Measurement of the Tritium Beta-Spectrum End Point to Determine the Neutrino Mass.

Notes: 1

This edition was published in 1982



Filesize: 15.46 MB

Tags: #Direct #Neutrino #Mass #measurements

Plans for a high

The technology needed to reach 0.

1. Introduction

Using cold atoms to measure neutrino mass. The mixing probability of the 17 keV neutrino was determined to be —0.

1. Introduction

In the energy interval between 470 eV and 1.

Constraints on the Active and Sterile Neutrino Masses from Beta

Metals are instead discarded because of the electron heat capacity, which is proportional to T and remains large also at very low temperatures, thereby dominating the total C of the absorber.

Application of Low Temperature Detectors in Physics: Yesterday, Today, Tomorrow

Here we focus on electron spectroscopy aspects of the neutrino mass determination. In contrast to cosmological observations and neutrino-less double beta decay $0\nu 2\{\beta\}$ searches, single $\{\beta\}$ -decay experiments provide a direct, model-independent way to determine the absolute neutrino mass by measuring the energy spectrum of decay electrons at the endpoint region with high accuracy.

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