

Erratum and Addendum to NP Internal Report 61-5

COUNTING RATE IN THE PLANNED EXPERIMENT
TO DETECT NEUTRINO INDUCED REACTIONS

by

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Erratum:

Page 2, 1st paragraph should read as follows:

For positive pions the fringing field of the next magnet is defocusing in the horizontal direction and focusing in the vertical direction.

Addendum:

The early estimate of Bernardini (ref.2) was made for the case of no fringing field and no limiting aperture.

The results quoted in ref.1 have later been modified by R.H. Salmeron to take into account the deflection of the particles in the fringing field; since the angular distribution of pion production is quite peaked, this reduces the rates for neutrinos. With respect to these later calculations, the reduction found in the present report due to aperture limitations and decay angles is about 8.

The statements of page 7, 3rd paragraph, are partly based on investigations of the photon production in beryllium and hydrogen, and the angular distribution by M. Fidecaro, G. Giacomelli and G. Finocchiaro (unpublished).

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