· James charling (1914) Sound that the elections enough spection contited in beta decay Sollowed a continuous distribution.

Neutrinos postulated by Parli (1930)

where the newthino is?

Defected for the first time in 1956 by C. Comman y F.

Reives.

A water tank containing dissolved cdc12 was employed. With
the interaction involved bearted by the invertee decay

Ve + p -> e + n

where can ne find neutrinos?

· Mentrinos are acarted by Beta decary in the sun, in every star, accelerators, reactors, etc.

· Neutrino Interactions

neutrino - nucleur scattering

Quusi - elustic scarttering (QE)

(RES)

I CARUS de <u>tector</u>

I cano detector has an active total mass of 476 ton, total mass 760 ton...

NxMI ve CC Inclusive selection using pandon Rees

Ve Torget (m)

Results with Monte Carlo

Ifficiency = selected signal/no art signal

Punty = selected signal / (selected signal +

Selected background)