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Output Format of TOF program

The result of TOF program

Name of the banck : TOFR

IPNTC(4)

Pointer to the banck : IDATA(78) in COMMON/CDATA/

Contents of the banck : INFM(4), IR(14,50)

DIMENSION R(14,50)

EQUIVALENCE (IR(1,1),R(1,1))

- General information

INFM(1) : total number of tracks

(2) : number of tracks for which mass could be defined

(3) : number of tracks for which mass could not be defined

(4) : number of tracks which did'nt hit TOF counters.

- TOF information for each track

IR(1,N) = N : index(track number)

(2,N) : flag = 1 if one track hits a counter and gives good result.

= -1 if one track hits a counter and gives wrong result

= 2 if two tracks hit a counter and give good result

= -2 if two tracks hit a counter and give wrong result

= 10 if the track did'nt hit any counter

(3,N) : counter number

R(4,N) : time of flight (ns)

(5,N) : path length of the track (mm)

(6,N) : β

(7,N) : $\Delta\beta$

(8,N) : mass (GeV)

(9,N) : Δm (GeV)

(10,N) : proton relative probability

(11,N) : kaon relative probability

(12,N) : pion relative probability

(13,N) : electron relative peobability

(14,N) : dE/dx