Second Point: Pmiss 625 MeV/c

Estimation of the e,e'p events.

We thought that we have much more events in the second kinematical setting than we had at 500 MeV/c. This assumption was based on the Pmiss distribution that we summarized by the end of the experiment, fig 1:

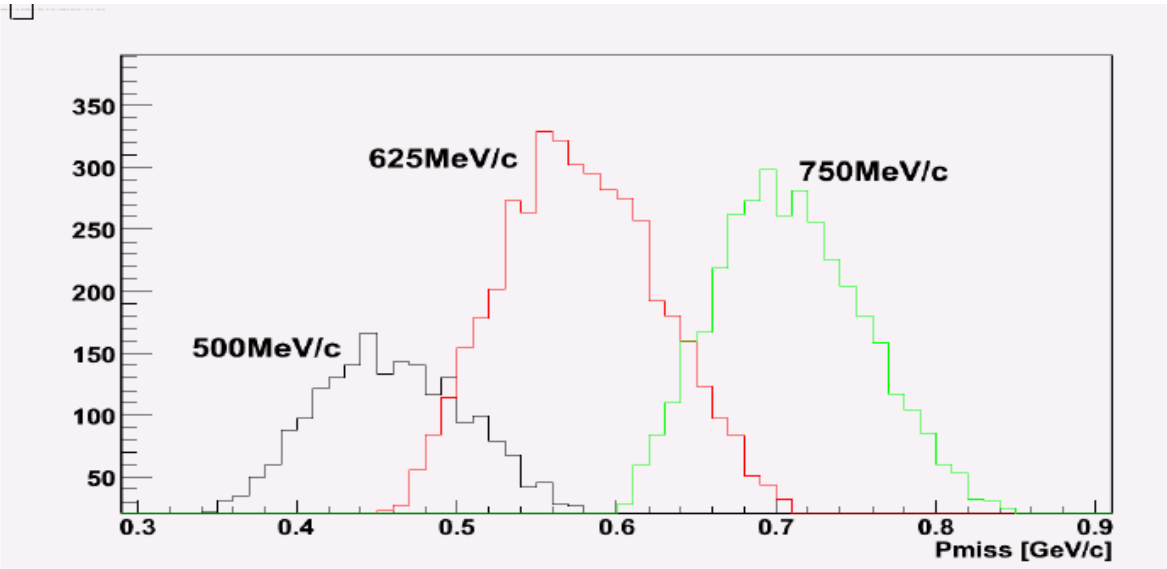

fig 1

Based on these distributions, we expected to have about twice more e,e'p events at 625 MeV/c than at 500 MeV/c.

However, this is not true. This figure is correct for BigBite case. The data for BB detector is divided into two parts: wrong retiming circuit and correct retiming circuit .

On the other hand the timing information for HAND detector at 500 MeV/c point is good.

So, now when I compare the real number of e,e'p events between these two settings, the coincidence time for the 500 MeV/c:

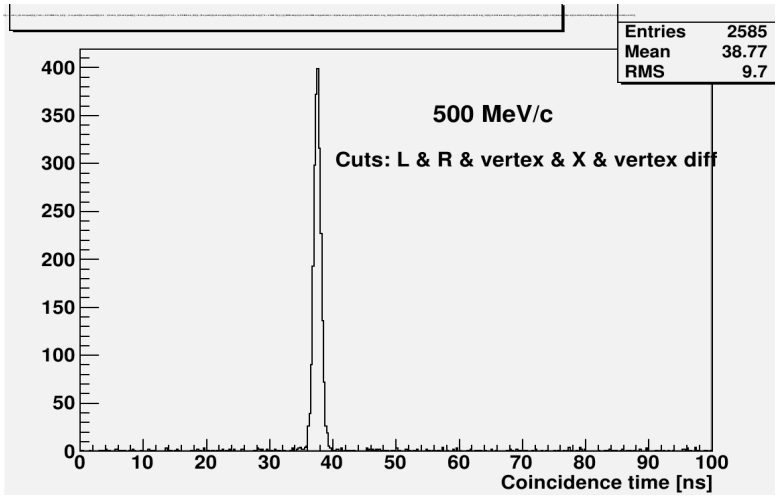

fig 2

and for 625 MeV/c point:

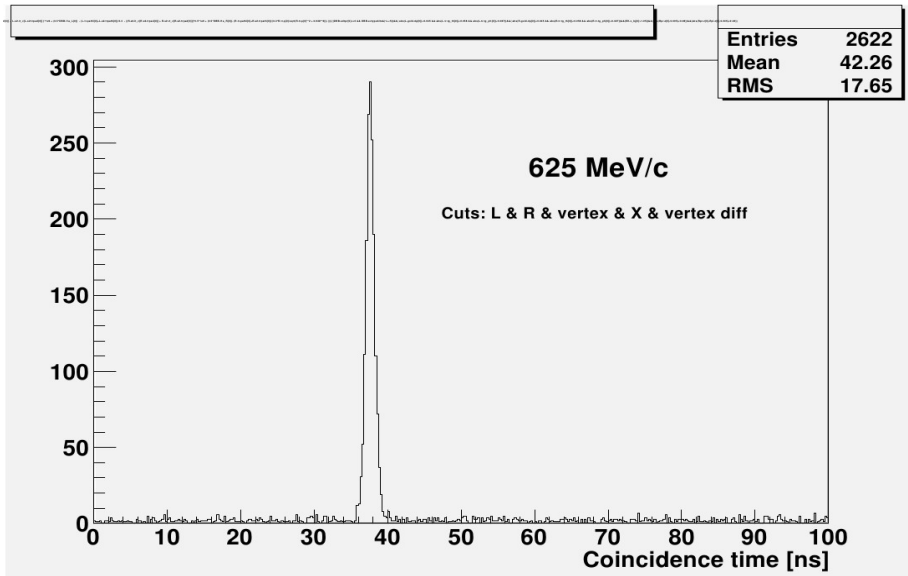

fig 3

From this figures, it's clearly seen that in general we have almost the same number of e,e'p events. Much less than we expected.

Vertex reconstruction:
If we look on the reconstructed vertex, we see that we have almost 30% of the data coming from the walls.

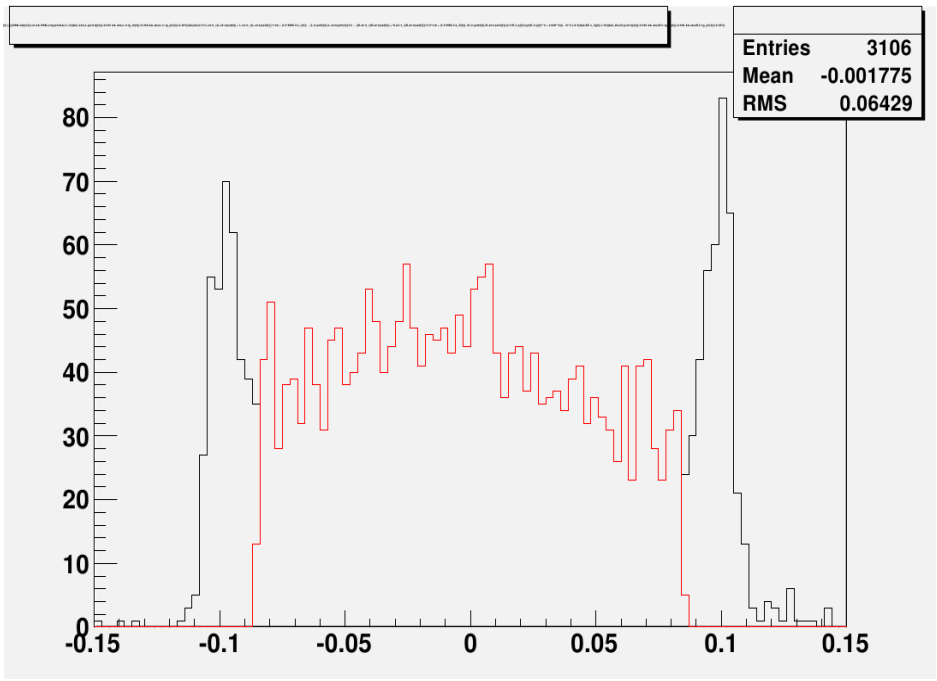

Fig 4

Is it normal that HRSs see the walls of 20 cm target?