

Report on Recent Work

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What Do We Do in the Past Weeks

Choose from at least two charged tracks, identify one of them as K , while another as π . Check the invariant mass of those two charged tracks and the number of the good charged tracks.

Particle Identification

We identify charged tracks of K and π via pid, and restrict the condition to :

1 $n_{K^-} * n_{\pi^+} < 1$ and $n_{K^+} * n_{\pi^-} < 1$,

Doing nothing;

2 $n_{K^-} * n_{\pi^+} > 0$ and $n_{K^+} * n_{\pi^-} < 1$,

Write only $m_{K^-\pi^+}$ into the ROOT file.

3 $n_{K^-} * n_{\pi^+} < 1$ and $n_{K^+} * n_{\pi^-} > 0$,

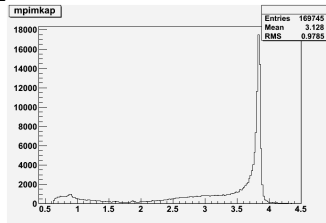
Write only $m_{K^+\pi^-}$ into the ROOT file.

4 $n_{K^-} * n_{\pi^+} > 0$ and $n_{K^+} * n_{\pi^-} > 0$,

Write both $m_{K^-\pi^+}$ and $m_{K^+\pi^-}$ into the ROOT file.

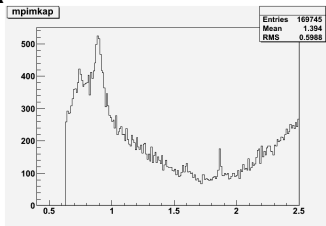
The Raw Results of Data Been Acquired

[!t] Δ



Distribution of $m_{K^+\pi^-}$ from 0.4 to 4.5

Δ



Distribution of $m_{K^+\pi^-}$ from 0.4 to 2.5

The Raw Results of inclusive MC Been Acquired