
Subject: Re: PandaRoot EVO Meeting, Aug 1, 2007, 14-16

Posted by [asanchez](#) on Wed, 01 Aug 2007 13:27:12 GMT

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hi, i'm still having problems to connect.

From my side,

i wanted to say that the tracking and identification of low kaons seems to be feasible for the tpc and the tof detector.

Unfortunately i can not extract the reconstructed information from the tpc because Sebastian is still working on.

I have extracted the momentum and the length of the trajectory by myself (helix parametrization, of course it is an ideal case).

But i will wait till the tpc is able to produce some information from the tracking, to study what is the expected resolution for the low kaon identification (tof).

Here attached i send you some momentum distributions in which kaons and the pions distributions (coming from antiXi- annihilation) are plotted. DistKP.eps (kaon p vs polar angle) and (pion p vs polar angle)

The only requirement which has to be filled by them, is that both particles have to have a transversal momentum larger than 300 MeV in order to reach the tof detector + tpc region. The transversal momentum distribution of both particles are plotted also together. See ptKP.eps

I'm still working on the Secondary target (silicon strips) and on the HPGE cluster detector digitization.

I want also in the next weeks to finish the implementation of the Hypernuclei generator, and maybe to start to work on the reconstruction.

I will commit as soon as possible the tof detector.

OK, i hope that can be helpful.

cheers ALicia.

File Attachments

1) [DistKP.eps](#), downloaded 566 times

2) [ptKP.eps](#), downloaded 545 times
