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Subject: PandaRoot EVO Meeting, Aug 1, 2007, 14-16  
Posted by [Jens Sören Lange](#) on Sun, 29 Jul 2007 14:20:54 GMT  
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Dear all,

we will have a PandaRoot EVO meeting  
this Wednesday, Aug 1, 2007, 14:00-16:00.  
(audio testing from 13:30).

Tentative agenda:

- o Andrea Fontana, GEANE release

- o related:  
discussion about tracking, plans until Sept. coll. meeting

- o Alicia Sanchez, some remarks about ongoing hypernuclear simulations  
(topics are for example:  
two vertices, low momentum Kaon PID, low energy photons etc. etc.)  
note: this is a PandaRoot candidate for the physics booklet.

- o towards Version 2.0.0 - collecting the tags  
Johan's list of contact persons:  
<http://panda-wiki.gsi.de/cgi-bin/viewauth/Computing/PandaRootContact>

- o PID  
many PID experts are on vacation, but we can try to have a first  
discussion on the short term strategy (i.e. shall we put in  
parametrized PID selectors until the ring finder will be ready?).  
The discussion will then continue on a dedicated EVO meeting on Aug 8.  
also: announcement of the PID workshop

- o a.o.b.

-- Johan and Soeren.

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Subject: Re: PandaRoot EVO Meeting, Aug 1, 2007, 14-16  
Posted by [Sebastian Neubert](#) on Wed, 01 Aug 2007 11:38:50 GMT  
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Hi Soeren, Johan!

I will not be able to take part in the meeting today.

From the tracking point of view there are no real news since I was in hospital the last two weeks.

I plan to integrate the GEANE stuff into GENFIT until september. However I did not have another look at this yet.

Moreover I am quite busy to further develop the TPC pattern reco. We have to prepare proposals for our prototype tests and these issues at the moment have my priority.

CU! Sebastian.

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

Posted by [asanchez](#) on Wed, 01 Aug 2007 12:06:56 GMT

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hi i have problems to connect.

i'm still trying

Alicia

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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

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- 1) [DistKP.eps](#), downloaded 486 times
  - 2) [ptKP.eps](#), downloaded 462 times
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