Subject: DPG Group Talk
Posted by Sebastian Neubert on Wed, 30 Jan 2008 08:52:02 GMT
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Dear colleagues!

I will give the talk at the German Physical Society Meeting (10th-14th March) about PandaROOT.This meeting is an important chance to present our effort to the community! Since this is a group-talk I would like to ask you for contributions.

Here is a list of topics where I would be gald for some contributions:

CbmRoot architecture (Mohammad)
PandaROOT collaborators and management issues (Johan)
Event Generators (???)
Subdetector Simulations (All experts)
Global Tracking (Sebastian)
PID (???)
RHO (???)

Please think about what you could contribute (one plot could be enough!) and please TELL ME until the end of this week!

We have to fill in the (???) - Soeren can you point me to the responsibles, please?

Best Regards, Sebastian.

Subject: Re: DPG Group Talk
Posted by Mohammad Al-Turany on Wed, 30 Jan 2008 08:59:57 GMT
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Hi,

Here are some slides which I made last month for Fair monthly! by the way it is FairRoot now and not CbmRoot any more.

Mohammad

File Attachments
1) fairroot.ppt, downloaded 567 times

Subject: Re: DPG Group Talk
Posted by StefanoSpataro on Wed, 30 Jan 2008 11:48:24 GMT
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In wiki you can find the presentation I had at CHEP last summer. Maybe you can grab some of

those plots or sketches.

Subject: Re: DPG Group Talk
Posted by Sebastian Neubert on Thu, 14 Feb 2008 17:18:26 GMT
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Dear colleagues,

I still need more input for the DPG group talk.
So far I have been promised/delivered plots from the people in this thread and in adition from the MVD group.

Here are further responsibilities:

Event generators: Stefano;
PID: Annalisa Cecchi, DRC, Johan (EMC)
RHO: Klaus Goetzen

Could you please just send me some plots that you think describe the status of your work?

Please note that I have to finish this talk by the end of next week!!! Since after that I will be traveling. Please give me the material a soon as possible! I can only plan the talk if I know what is available.

Best Regards, Sebastian.

Subject: Re: DPG Group Talk
Posted by StefanoSpataro on Fri, 15 Feb 2008 09:18:28 GMT
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In the presentation I have linked some post before you can find a slide for the event generators, as well as slides for the reconstruction of a neutral channel (h_c) for emc, as well as some plots for various PID (such as rings in the DRC).

Subject: Re: DPG Group Talk
Posted by Sebastian Neubert on Tue, 19 Feb 2008 17:19:03 GMT
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Hi!

Thanks for the material so far - we are getting there

I urgendtly need some information on:

* STT
* Forward Trackers
* TOF
* HyperNuclear setup

Please post me some plots, otherwise I will have to omit your detector system.

Cheers! Sebastian.

Subject: Re: DPG Group Talk
Posted by asanchez on Tue, 19 Feb 2008 17:38:14 GMT
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Hi Sebastian

for the hypernuclei proyect production of (p pbar->Xi- Xi+)
Xi-+ proton-> double hypernuclei

i can send some plots concerning the set up

Germanium cluster placed at backward angles
are devoted to measured the excited energies levels of hypernuclei

A small silicon tracker(similar to Mvd) to track the charged particles produts from weak decay(hyper)
and tof barrel will be devoted to trigger the kaons coming from
the antiXi annihilation in the primary target.

i send an ideal mass reconstruction with the tof barrel +SciFiber as start detector.

cheers alicia.

File Attachments

1) pionvskaonToftime.eps, downloaded 521 times
2) toftpchypGe.eps, downloaded 594 times

Subject: Re: DPG Group Talk
Posted by Sebastian Neubert on Tue, 19 Feb 2008 17:53:37 GMT
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Hey Stefano!

Can you produce a phase-space plot of the 7gamma channel, so that one can see where the different regions of the ECAL contribute!

Thanx! Sebastian.

Subject: Re: DPG Group Talk
Posted by StefanoSpataro on Tue, 19 Feb 2008 18:31:03 GMT
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What do you need exactly? Theta vs phi is enough? MonteCarlo or filtered by the EMC acceptance?

Subject: Re: DPG Group Talk
Posted by Sebastian Neubert on Wed, 20 Feb 2008 09:16:20 GMT
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Hi!

E vs Theta. Raw MC and with EMC accpetance would be great!
BTW. For the EMC I think we need a bit more substantial information than what is in your talk. Do you have something like a shower-profile. And something about how the clustering is done. So far I only have the pictures of the hits in the calorimeter.

Cheers! Sebastian.

Subject: Re: DPG Group Talk
Posted by Sebastian Neubert on Thu, 21 Feb 2008 12:58:49 GMT
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Hi Alicia!

Do you have a phase space plots of the particles you simulated for the Xi-Channel?

Furthermore: How is the start detector implemented at the moment? Is it in the simulation already?

Cheers! Sebastian.

Subject: Re: DPG Group Talk
Posted by asanchez on Thu, 21 Feb 2008 14:01:09 GMT
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Hi Sebastian,

the start detector(tof start) consists of two planes of scintillator fibers(~ 2000 fibers).
they are surrounding the region of the secondary target(
radius of ca 8 cm).

The time resolution requirement for a good mass separation(pion from kaons) is about 500ps in combination with the tof barrel(scintillator)detector with a time rsol of 80 ps.

i send you the polot for the detector acceptance

for the Xi minis in the secondary target(small si tracker)
for us is specially important those with a total momentum lower than 0.5 GeV/c(those with a higher propability to be stopped and to form the hypernuclei)

plots are attached to this purpose.
best regrads
alicia.

File Attachments
1) XiminStpRateppt.eps, downloaded 544 times
2) XiminStpRateptheta.eps, downloaded 513 times

Subject: Re: DPG Group Talk
Posted by asanchez on Thu, 21 Feb 2008 14:16:27 GMT
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Oh excuse me,
yes the start detector
is already in the simulation.It is inside the tof directory,actually scintfibers and tob barrel have been implemented
together in the same geo file.

you can plot hyp and tof together and
you will have a look into this setup. Unfortunally
in the figure i have sent to you, the fibers are not very well visible. you only see the blue circle aroung the secondary target.
Ok i hope that can help.

cheers alicia.

Subject: Re: DPG Group Talk
Posted by Sebastian Neubert on Thu, 21 Feb 2008 16:17:23 GMT
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Hi Alicia!

Actually what I meant were the plots of p(K) vs. Theta(K) and p(pi) vs theta(pi) for your decays.

And could you please use a nice palette.

In ROOT simply do: gStyle->SetPalette(1)

Thanks!
Sebastian.

Subject: Re: DPG Group Talk
Posted by asanchez on Thu, 21 Feb 2008 16:59:57 GMT
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Hi Sebastian,
here you are i hope it is fine.
thank you for your hint. Now it looks like nicer.
Anyway these kaons and pions are not coming from the decay but from the Xi+ annihilation.

best regrads
Alicia.

File Attachments

1) KaonPionDist.eps, downloaded 600 times