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Subject: Re: one more week left

Posted by [Jens Sören Lange](#) on Thu, 10 Apr 2008 16:32:01 GMT

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Hi Paul and all,

Quote:\* Packages:

> Can you Soeren, please summarize the status of the software.

> What is the current status, what is left to do?

I can only comment on PandaRoot itself.

There were only 2 issues left.

1.) if riemannfit is on, then lhetrack cannot run.

This is more complicated and will need time to solve.

However, lhetrack is global (has tpc and mvd),

riemannfit is local (tpc only) in our understanding

So we decided to switch riemannfit off for the DC

(I am sorry to Sebastian and Tobias for this,

but we just have to make a decision just due to time pressure).

2.) include mvd into the tpc macros

(and so run the `_global_` tracking for both mvd and tpc).

This was solved today by Stefano with help of Tobias and Ralf.

He checked it in.

-> this means:

rev---- is final for tpc, stt, dpm.

As the UrQMD code is not in the svn repository, this means:

rev2480 can be regarded as the PandaRoot version for the DC  
(note:revised by Soeren on Friday Apr 11 15:37)

(only exception: if there is a last minute bug fix)

THIS MEANS:

(please read and enjoy)

we will run global(!) tracking for tpc digis(!) and mvd digis(!)

\*Quote: Macros:

The latest proposal by Soeren was (or did I miss something?)

[...]

Soeren, do you want to update?

Yes, I would like to propose the beam momenta for the dpm simulations.

(these are input parameters for the bash scripts prepared by Johan).

[p\_beam / GeV/c][what for?]

0.739 (for PhiPhi at 2.000 GeV)  
2.202 (for PhiPhi at 2.500 GeV)  
4.064 (for J/Psi 3.096 GeV)  
6.234 (for Psi' 3.686 GeV)  
6.571 (for Psi 3.770 GeV)  
6.991 (for X 3.872 GeV)  
7.277 (for Y 3.940 GeV)  
7.705 (for Psi 4.040 GeV)  
8.685 (for Y 4.260 GeV)  
11.917 (for D\*\_sJ D\_s 4.9178 GeV)  
15.000 (for Drell-Yan)

I propose 10,000,000 events for each.

Quote: Could you, Soeren and Johan, please try to make a concise list of possible simulations to run, based on the packages which will be available for the DC01?

Paul, can you specify your question a bit?

Because all the mentioned above is the list.

1. tpc sim and reco (see macros, nEvents, pT above)
2. stt sim and reco (see macros, nEvents, pT above)
3. dpm event generation  
(bash scripts by Johan, see p\_beam, nEvents just a few lines above)
4. UrQMD event generation  
(see separate posting by Johan)

This is it.

Quote:\* Storage:

One event is 250 Bytes (the number was given by Soeren). Is this true for any of the proposed simulations (UrQMD)? If yes then we most probably have far enough storage capacity (1TB ~ 4.E9 events).

Paul, please be careful!!!

for stt and tpc sim and reco, it is much more!!!

It is the numbers in my last posting.

for tpc 56.5 kB=kiloBytes per event

for stt 17.3 kB=kiloBytes per event

plus an offset for each run (the "zero" events case).

cheers,

Soeren

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