Subject: Problem running sim with IdealTrackFinder on Kronos
Posted by Walter Ikegami Andersson on Wed, 05 Apr 2017 15:11:39 GMT
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Hello everyone,

I'm trying to run simulations with the new pandaroot release feb17p1 using the IdealTrackFinder.
I used the script jobsim_kronos.sh in pandaroot/macros/prod, where the macro prod_aod.C was used and a single line was modified:

```
//fRun->AddRecoTasks(kFALSE);
fRun->AddRecoIdealTasks(kFALSE);
```

When I submit the job with the following command:
sbatch -a1-20 jobsim_kronos.sh d0sim 10 D0toKpi.dec 12. ana 10

the run crash with a segmentation break. I've attached the log file.
The IdealTrackFinder is working fine when I test it with the macros in pandaroot/macro/master/recoideal_complete.C

Anyone has any idea what is wrong?

Best regards,
Walter

File Attachments
1) d0sim_1_pid.log, downloaded 616 times

Subject: Re: Problem running sim with IdealTrackFinder on Kronos
Posted by Tobias Stockmanns on Thu, 06 Apr 2017 13:21:56 GMT
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Hi Walter,

the problem is that the ideal track finder is not able to run with the PID task at the same time. I have no clue, why this is the case but you can fix your problem by separating them into two independent macros as it is done in /macro/master.

Cheers,

Tobias

Subject: Re: Problem running sim with IdealTrackFinder on Kronos
Posted by Walter Ikegami Andersson on Fri, 07 Apr 2017 13:56:41 GMT
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Hello Tobias,

thank you for your response.
I created a modified script jobsim_complete.sh for submitting jobs to kronos where four macros are called (prod_sim, prod_dig, prod_rec and prod_pid).
I also modified the digi, reco and pid macro slightly as they would crash otherwise...

```
//fRun->Run(0, nEvents); //removed this line
fRun->Run(0);
```

Cheers,

Walter

File Attachments

1) jobsim_complete.sh, downloaded 547 times
2) prod_dig.C, downloaded 583 times
3) prod_rec.C, downloaded 635 times
4) prod_pid.C, downloaded 597 times