Subject: Rho package update - rev 21551 - problem
Posted by Elisabetta Prencipe (2) on Sat, 07 Sep 2013 11:55:40 GMT
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Dear all,

I updated the Rho package to the last revision.

Working Copy Root Path: /home/prencipe/panda/pandaroot
URL: https://subversion.gsi.de/fairroot/pandaroot/trunk/rho
Repository Root: https://subversion.gsi.de/fairroot
Repository UUID: 0381ead4-6506-0410-b988-94b70fbc4730
Revision: 21645
Node Kind: directory
Schedule: normal
Last Changed Author: kgoetzen
Last Changed Rev: 21551
Last Changed Date: 2013-09-02 12:04:30 +0200 (Mon, 02 Sep 2013)

When I run my analysis macro, I get a segmentation fault after 2000 events. The error is seen at the level of /RhoBase/RhoCandidate.h, line 170. All plots performed on 2000 generated events make sense. The analysis is the same as 2 days ago: ppbar to Ds- Ds(2460)+. [It does not mean that the problem is there, of course...but here is where I get the crash].

I was trying my macro over 5000 events.

I attach here the log file and the macro.

Thank you for any feedback.
Elisabetta

File Attachments

1) analisiupdaterho.log, downloaded 543 times
2) tut_anaDs2460Dstarpi0_simple.C, downloaded 554 times

Subject: Re: Rho package update - rev 21551 - problem
Posted by StefanoSpataro on Sat, 07 Sep 2013 14:30:37 GMT
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What about the speed?

Subject: Re: Rho package update - rev 21551 - problem
Posted by Klaus Götzen on Sat, 07 Sep 2013 16:55:49 GMT
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Hi Elisabetta,

did you also update PndTools/AnalysisTools? You need at least rev 21013, where I fixed a bug with a missing truth pointer in PndAnalysis.

If yes, and the error still appears, I'll have to take a closer look to the problem again.

Best,
Klaus

Subject: Re: Rho package update - rev 21551 - problem
Posted by Elisabetta Prencipe (2) on Sat, 07 Sep 2013 18:17:56 GMT
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Hi Klaus,

no I did not update that package because I did not know I had to do, honestly. You can image, I do not update my release every day...

I will reproduce again all the root files (sim, digi, reco, pid) and I run again the analysis macro.

About the speed: Stefano, the speed is normal and under control. I do not like that message related to the matrix with 0 diagonal elements, which happens quite often. I see that it could come from the Stt or the Emc package.

Elisabetta

Subject: Re: Rho package update - rev 21551 - problem
Posted by Klaus Götzen on Sat, 07 Sep 2013 18:22:53 GMT
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Hi,

I suggested it already some time ago in another thread, therefore I thought you might have done already...

Best,
Klaus

Subject: Re: Rho package update - rev 21551 - problem
Posted by StefanoSpataro on Sat, 07 Sep 2013 20:15:17 GMT
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I tried with the latest trunk, 5000 events without any error.

Of course it does not mean that the bug is not present...

Subject: Re: Rho package update - rev 21551 - problem
Posted by Elisabetta Prencipe (2) on Sat, 07 Sep 2013 20:34:46 GMT
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Dear all,

before the suggested update something was running. Now I get:

Processing tut_sim.C...
FairRootManager::OpenOutFile("sim_complete.root")
[INFO] Media file used : /home/prencipe/panda/pandaroot/geometry/media_pnd.geo
Info in (PndGeoHandling::Instance): Making a new instance using the framework.
Error in <TClonesArray::SetClass>: called with a null pointer
-I container name PndEmcGeoPar
<I> PndEvtGenDirect
<I> Particle: pbarpSystem
<I> decfile: /home/prencipe/panda/pandaroot/tutorials/rho/Y2460.dec
<I> pbar-Momentum: 9.9303
<I> Rnd Seed: -1
<I> Rnd Seed changed to 3761373209
[...]

****
My job exit without crash, but without simulating neither one single event.
I will stop to do any test until the end of the collaboration meeting. If anybody has any idea why in the rev21003 I managed to run my jobs, while now after the update of Rho, AnalysisTool, Emc nothing works, please say. Thanks.

See you in Bochum,

Elisabetta

Subject: Re: Rho package update - rev 21551 - problem
Posted by Klaus Götzen on Sun, 08 Sep 2013 08:25:31 GMT
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Hi Elisabetta,

I just can tell from my own experience, that updating single packages sometimes leads to odd behaviour (in particular mixed with own modifications and after some longer time), whereas a complete new checkout of the repository worked in many cases. Or before doing that try 'make clean', just to be sure, that everything gets build properly.

The problem I guess is related to the issue, that we are lacking a release manager, who checks, which set of revision numbers for the individual packages work together.

Best regards, and see you next week,
Klaus