
Subject: Can't run Geane

Posted by [Anonymous Poster](#) on Fri, 30 Oct 2009 11:10:04 GMT

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Hello!

I am trying to run run_kalman_stt.C macro from tutorials/analysis package. But it crashes with following error message:

```
FairGeanePro::TGeant3 has not been initialized! ABORTING!  
terminate called without an active exception
```

The same happens for example, when I tried runGEANE1.C macro from tutorials/geane/ex1/ package.

Does somebody know how to correct this?

Best regards,

Andrey Sokolov

Subject: Re: Can't run Geane

Posted by [StefanoSpataro](#) on Fri, 30 Oct 2009 13:27:27 GMT

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Hi,
please try to update the macros in tutorials/lhetrack.
I have fixed the mapper also for stt case.
Let me know, in my pc the stt macros work.

Subject: Re: Can't run Geane

Posted by [Anonymous Poster](#) on Mon, 02 Nov 2009 10:54:00 GMT

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Hi Stefano,

I have update the macros in the tutorials/lhetrack.
run_sim_sttcombi_evtgen.C is running without a problem. But run_digi_sttcombi.C crashes with following output:

```
digicounter: 14  
n of hits: 14  
MINUIT FIT 14  
*****MINUIT*****  
D SEED: 38.9956  
PHI SEED: -2.79381  
R SEED: 1.01081
```

PARAMETER DEFINITIONS:

NO.	NAME	VALUE	STEP SIZE	LIMITS
1	xc	-3.76113e+01	1.00000e-01	-3.00000e+03 3.00000e+03
2	yc	-1.36348e+01	1.00000e-01	-3.00000e+03 3.00000e+03
3	r	1.01081e+00	1.00000e-01	0.00000e+00 3.00000e+03

xcstart: -37.6113 ycstart: -13.6348 rstart: 1.01081
xc: -37.6115
yc: -13.635
R: 1.01
n of hits: 14

*** Break *** floating point exception
(no debugging symbols found)
Attaching to program: /proc/26427/exe, process 26427
(no debugging symbols found)...done.
(no debugging symbols found)...done.
[Thread debugging using libthread_db enabled]
[

If I decrease the number of events to 5 it's finished without a crash. But when I tried run_reco_sttcomby.C it also crashed with following error message:
- RTDB container factory PndPidContFact
-l- FairRunAna: Opening Input file: digi_sttcombi.root
-l- FairRunAna Input file: digi_sttcombi.root is connected to friend: points_sttcombi.root

*** Break *** segmentation violation
(no debugging symbols found)
Attaching to program: /proc/26615/exe, process 26615
(no debugging symbols found)...done.

Andrey

Subject: Re: Can't run Geane
Posted by [Stefano Spataro](#) on Mon, 02 Nov 2009 12:24:00 GMT
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Hi,
quite strange.
Are you sure you have cleaned the old files (i.e. the param file), and that you are using a recent version of the trunk?
Maybe you have something mixed up, in theory that macro should work, there were no substantial changes in the digi code.

Subject: Re: Can't run Geane
Posted by [Anonymous Poster](#) on Tue, 03 Nov 2009 07:34:46 GMT

Hi Stefano,

you were right! After updating (to the rev. 6858) and cleaning up everything I am able to run run_digi_stt_sttcombi.C and run_reco_sttcombi.C from tutorial/lhetrack. But now I have the next problem when I run run_kalman_stt.C. It crashes with the following output:

```
Cross section calculation concluded successfully
-I- FairMCApplication:: Monte carlo Engine Initialisation with TGeant3TGeo
I- FairGeane::FairGeane: Geane is Initialized
-E- FairRootManager Branch: PndTpcCluster not found in Tree
-E- FairRootManager Branch: PndTpcCluster not found in Tree
Error in <PndLheKalmanTask::PndLheKalmanTask::Init>: PndTpcCluster array not found
-E- FairRootManager Branch: GEMHit not found in Tree
-E- FairRootManager Branch: GEMHit not found in Tree
Error in <PndLheKalmanTask::PndLheKalmanTask::Init>: GEMHit array not found
*** S/R ERPROP IERR = 2
```

```
*** Error in subr. TRPROP 2 called bysubr. ERPROP
```

```
*** S/R ERPROP IERR = 2
```

```
*** Error in subr. TRPROP 2 called bysubr. ERPROP
```

Do you have an idea what's wrong?

Andrey

Subject: Re: Can't run Geane
Posted by [Stefano Spataro](#) on Tue, 03 Nov 2009 08:37:16 GMT
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Yes,
there is some but at the geane level that Lia is trying to solve.
In order to get rid of that crash, you have to copy the file

macro/pid/Geane.C

in your gconfig directory.
If you see still some crash, then please try to decrease the parameter for "air" step 0.01.
Please try and let me know.

Subject: Re: Can't run Geane

Posted by [Anonymous Poster](#) on Tue, 03 Nov 2009 11:59:04 GMT

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Thanks Stefano,

I have followed your advice and now it's running.

I still have a question - when I run plot_kalman_stt.C it crashes because momfit histogram doesn't exist. Where it should be defined?

Andrey

Subject: Re: Can't run Geane

Posted by [Stefano Spataro](#) on Tue, 03 Nov 2009 12:56:45 GMT

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Hi,

in reality the macros you are referring are not updated anymore, because of the changes of the code last June

However, the lines:

```
lhe->Draw("LhePidTrack.GetMomentum().Mag()>>momlhe(100,0.5,1.5)", "", "goff");  
momlhe->GetXaxis()->SetTitle("Momentum [GeV/c]");
```

```
fit->Draw("LheGenTrack.getMom().Mag()>>momfit(100,0.5,1.5)", "", "goff");  
momfit->GetXaxis()->SetTitle("Momentum [GeV/c]");
```

should become:

```
lhe->Draw("LheTrack.GetParamFirst().GetMomentum().Mag()>>momlhe(100,0.5,1.5)", "", "goff"  
);  
momlhe->GetXaxis()->SetTitle("Momentum [GeV/c]");
```

```
fit->Draw("LheGenTrack.GetParamFirst().GetMomentum().Mag()>>momfit(100,0.5,1.5)", "", "gof  
f");  
momfit->GetXaxis()->SetTitle("Momentum [GeV/c]");
```

Beuase now all the tracks have a "PndTrack" structure.

Fixed in svn.
