
Subject: [FIXED] error in running runLumiSim.C
Posted by [manoj.jadhav](#) on Mon, 17 May 2010 06:22:23 GMT
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Hello all ,

I installed pandaroot trunk in my system, after running pandaroot/macro/lumi/runLumiSim.C I faced following error

```
.....  
dlopen error: /home/manoj/panda/pandaroot/buildPanda/lib/libPid.so: undefined symbol:  
_ZN20PndVtxFitterParticleD1Ev  
Load Error: Failed to load Dynamic link library  
/home/manoj/panda/pandaroot/buildPanda/lib/libPid.so  
.....
```

please give me any idea to fix this error.

with regards,

Subject: Re: error in running runLumiSim.C
Posted by [StefanoSpataro](#) on Tue, 18 May 2010 06:59:35 GMT
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Hi,
I have tried but I could not get your error (apart the error connected to the private folder).
Are you sure you are using the original code in svn? Maybe you have an old rootlogon.C-

Subject: Re: error in running runLumiSim.C
Posted by [manoj.jadhav](#) on Tue, 18 May 2010 07:10:14 GMT
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Hi,

Yes , I checked out that probability also by updating pandaroot but it still giving same error.

Subject: Re: error in running runLumiSim.C
Posted by [StefanoSpataro](#) on Tue, 18 May 2010 07:19:28 GMT
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What happens if you type "root" in the same folder, without running the runSimLumi.C?

Subject: Re: error in running runLumiSim.C
Posted by [manoj.jadhav](#) on Tue, 18 May 2010 07:32:54 GMT

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Hi,
It run fine,entered in root

Subject: Re: error in running runLumiSim.C
Posted by [David Pohl](#) on Tue, 18 May 2010 16:01:56 GMT
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This is at the moment a general issue due to the fact that the PndVtxFitterParticle class is not included and linked correctly. I have already posted a ticket about this last wednesday.

Solution to the problem:

add following lines at l.78 resp. l.102:

```
${CMAKE_SOURCE_DIR}/PndTools/AnalysisTools/Fitter/PndVtxFitterParticle.c xx
```

and

```
${CMAKE_SOURCE_DIR}/PndTools/AnalysisTools/Fitter/PndVtxFitterParticle.h
```

in pid/CMakeLists.txt

and also

```
#pragma link C++ class PndVtxFitterParticle+;
```

in pid/PidLinkDef.h

I hope I was able to help, greetings
David

p.s.: if you do not need the libpid a faster work around is to erase the line with libPid in
gconfig/rootlogon

Subject: Re: error in running runLumiSim.C
Posted by [StefanoSpataro](#) on Tue, 18 May 2010 16:08:02 GMT
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Can I know why PndVtxFitterParticle should be included inside pid package?

Subject: Re: error in running runLumiSim.C
Posted by [David Pohl](#) on Tue, 18 May 2010 16:14:00 GMT
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It is not my code and so I do not know why. But I can say that the class:

pid/PndPidTrackInfo.cxx

uses it.

best regards
david

Subject: Re: error in running runLumiSim.C
Posted by [Stefano Spataro](#) on Tue, 18 May 2010 16:17:44 GMT
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I have checked the code but there is no PndVtxFitterParticle inside... are you sure you are using the svn code and not including some private modification?

Subject: Re: error in running runLumiSim.C
Posted by [David Pohl](#) on Tue, 18 May 2010 16:48:52 GMT
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Yes I am sure:

`https://subversion.gsi.de/trac/fairroot/browser/pandaroot/trunk/pid/PidC
orr/PndPidTrackInfo.cxx line 22`

checked in 6 days ago.

Subject: Re: error in running runLumiSim.C
Posted by [Stefano Spataro](#) on Tue, 18 May 2010 18:15:17 GMT
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I was not informed that my code was changed without notice...

However, try to edit your gconfig/rootlogon.C and invert the two lines:

```
if(isLibrary("libPid"))gSystem->Load("libPid");  
if(isLibrary("libAnalysisTools"))gSystem->Load("libAnalysisTools");
```

in

```
if(isLibrary("libAnalysisTools"))gSystem->Load("libAnalysisTools");  
if(isLibrary("libPid"))gSystem->Load("libPid");
```

and tell me if it works. If it does, tomorrow I will commit the change in the code...

Subject: Re: error in running runLumiSim.C

Posted by [manoj.jadhav](#) on Wed, 19 May 2010 06:05:59 GMT

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Hello Stefano,

I checked the macro runLumiSim.C by inverting the order of libpid & libAnalysisTools in rootlogon.C & it is working now. Thanks for the help.

With Regards,

Subject: Re: error in running runLumiSim.C

Posted by [StefanoSpataro](#) on Wed, 19 May 2010 07:23:25 GMT

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Now it is fixed in svn.

Could you please add " [FIXED] " to the title of your first message? Many thanks
