
Subject: Error loading libPGen.so
Posted by [M.Babai](#) on Wed, 23 Apr 2008 09:43:52 GMT
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Hi all

I'm trying to run fastsimulation macros in pandaroot. Using the latest version of rootlogon.C available from svn, starting root produces the following error:

```
dlopen error: /opt/fairroot/fairsoft/buildPanda/lib/libPGen.so: undefined symbol: lujets_  
Load Error: Failed to load Dynamic link library /opt/fairroot/fairsoft/buildPanda/lib/libPGen.so  
(int)(-1)  
*** Interpreter error recovered ***
```

```
and running the fsim macro "simfast.C" produces even more bu... like:  
===== CbmRunSim: Initialising simulation run =====  
Info in <TGeoManager::TGeoManager>: Geometry CBMGeom, CBM geometry created  
Loading Geant3 libraries ...  
Loading Geant3 libraries ... finished  
Error: Symbol TGeant3TGeo is not defined in current scope  
/opt/fairroot/fairsoft/pandaroot/gconfig/Geane.C:7:  
Error: type TGeant3TGeo not defined FILE:/opt/fairroot/fairsoft/pandaroot/gconfig/Geane.C  
LINE:7  
Warning: Automatic variable gMC3 is allocated  
/opt/fairroot/fairsoft/pandaroot/gconfig/Geane.C:7:  
Error: Undeclared variable gMC3 /opt/fairroot/fairsoft/pandaroot/gconfig/Geane.C:7:  
*** Interpreter error recovered ***
```

```
*** Break *** segmentation violation  
Generating stack trace...  
0xb438d541 in CbmMCApplication::InitMC(char const*) at  
/opt/fairroot/fairsoft/pandaroot/base/CbmMCApplication.cxx:169 from  
/opt/fairroot/fairsoft/buildPanda/lib/libBase.so  
0xb43a0ba6 in CbmRunSim::Init() at /opt/fairroot/fairsoft/pandaroot/base/CbmRunSim.cxx:164  
from /opt/fairroot/fairsoft/buildPanda/lib/libBase.so  
=====  
and much more .....
```

Anybody else has encountered the same? or any idea how to solve this?

btw. I'm using the latest pandaroot (checked out this morning).
Kind wishes.

Subject: Re: Error loading libPGen.so
Posted by [M.Babai](#) on Fri, 25 Apr 2008 15:05:37 GMT
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The problem is solved now.
This was caused by the original geant3 from the cernlibs installed in the system libraries (name

and loading priority collision).

Subject: Re: Error loading libPGen.so
Posted by [asanchez](#) on Fri, 25 Apr 2008 15:34:19 GMT
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Hi i have updated today
and the problem with the libPGen.so
is still persistent.

I'm working with gsi installation.
Should one change the path to get
the new the cernlibs(concerning M.Babai remark) or not?
Is anyone taking care of this problem?

cheers ALicia.

Subject: Re: Error loading libPGen.so
Posted by [Felix Boehmer](#) on Thu, 08 May 2008 15:57:50 GMT
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Hi,

I just got the same error (clean installation, svn version 2737):

```
dlopen error: /afs/e18/panda/SIM/fboehmer/cbuild/lib/libPGen.so: undefined symbol: lujets_  
Load Error: Failed to load Dynamic link library  
/afs/e18/panda/SIM/fboehmer/cbuild/lib/libPGen.so
```

How can I solve this?

EDIT:

I stumbled upon the other thread about this topic after I posted this.

I tried to load libDpmEvtGen before libPGen like Mohammad proposed but the error persists. I also tried a make in the DpmEvtGen directory with no success but I noticed this warning :

```
Compiling file main.cc ...  
main.cc:26: warning: non-local variable '<anonymous struct> lujets_' uses anonymous  
type
```

So... does anybody know how to fix this? Any (temporary) solution would be very welcome!

Thanks!

Felix

Subject: Re: Error loading libPGen.so
Posted by [Felix Boehmer](#) on Thu, 08 May 2008 16:19:51 GMT
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It's working now.

Apparently Mohammad's fix is working...

Subject: Re: Error loading libPGen.so
Posted by [Stefano Spataro](#) on Thu, 08 May 2008 16:20:42 GMT
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Have you tried to load the "standard" gconfig/rootlogon.C ?

In theory with it everything should run fine.

Subject: Re: Error loading libPGen.so
Posted by [Anonymous Poster](#) on Fri, 09 May 2008 18:12:45 GMT
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Hi Stefano!

I have tried gconfig/rootlogon.C, but it cause the same error:

dlopen error: /home/sokolov/fairroot/cbmssoft/cbuild/lib/libPGen.so: undefined symbol: lujets_

In my case solution was just adding the line:

```
gSystem->Load("libDpmEvtGen");
```

into the script.

Best regards,

Andrey
