
Subject: Symbol G__exception is not defined in current scope

Posted by [asanchez](#) on Wed, 08 Oct 2008 16:26:55 GMT

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Hi to everybody,

during running my analysis macro(writeMicro.C at macro/fsim) and afre 15000 ev(i have 50000)

the run breaks

with this error message,

Does anybody knows what it 's going wrong?

alicia.

Error: Symbol G__exception is not defined in current scope writeMicro.C:107:

Error: type G__exception not defined

FILE:/d/panda02/asanchez/fairsoft_jul08/pandaroot/trunk/macro/fsim/./writeMicro.C LINE:107

*** Interpreter error recovered ***

root [1] .q

*** Break *** segmentation violation

Using host libthread_db library "/lib/libthread_db.so.1".

Attaching to program: /proc/22289/exe, process 22289

Failed to read a valid object file image from memory.

done.

done.

[Thread debugging using libthread_db enabled]

[New Thread 16384 (LWP 22289)]

done.

done.

done.

done.

done.

done.

done.

done.

done.

0x40ca9788 in waitpid () from /lib/libc.so.6

#1 0x40d318c0 in __DTOR_END__ () from /lib/libc.so.6

#2 0x40c42442 in do_system () from /lib/libc.so.6

#3 0x40bbcc5f in system () from /lib/libpthread.so.0

#4 0x401fa79f in TUnixSystem::Exec () from

/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18

#5 0x401fac63 in TUnixSystem::StackTrace () from

/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18

#6 0x401f85cc in TUnixSystem::DispatchSignals () from

/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18

#7 0x401f63a8 in SigHandler () from

/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18

#8 0x401fdefe in sighandler () from

/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18

#9 0x40bbb825 in __pthread_sighandler () from /lib/libpthread.so.0
#10 <signal handler called>
#11 0x40c794eb in memset () from /lib/libc.so.6
#12 0x40206feb in deflateInit2_ () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#13 0x40206e25 in deflateInit_ () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#14 0x40202fb0 in R__zip () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#15 0x40e029c5 in TKey::TKey () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRIO.so
#16 0x40defbb8 in TFile::WriteStreamerInfo () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRIO.so
#17 0x40dea4de in TFile::Close () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRIO.so
#18 0x40de8894 in TFile::~TFile () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRIO.so
#19 0x401b48ac in TCollection::GarbageCollect () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#20 0x401b8e98 in TList::Delete () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#21 0x401fa87c in TUnixSystem::Exit () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#22 0x40b4910b in TRint::Terminate () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#23 0x40120202 in TApplication::ProcessLine () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#24 0x40b48e4d in TRint::HandleTermInput () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#25 0x40b471a7 in TTermInputHandler::Notify () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#26 0x40b49e04 in TTermInputHandler::ReadNotify () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#27 0x401f89d5 in TUnixSystem::CheckDescriptors () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#28 0x401f7c7d in TUnixSystem::DispatchOneEvent () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#29 0x40180fa0 in TSystem::InnerLoop () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#30 0x40180d61 in TSystem::Run () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#31 0x40121567 in TApplication::Run () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libCore.so.5.18
#32 0x40b486d9 in TRint::Run () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#33 0x08048e2e in main ()
Root >

Subject: Re: Symbol G__exception is not defined in current scope
Posted by [Mohammad Al-Turany](#) on Thu, 09 Oct 2008 07:16:49 GMT

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Hi,

Can you tell me how to reproduce this! are your files available on the GSI cluster?

Mohammad

Subject: Re: Symbol G__exception is not defined in current scope
Posted by [asanchez](#) on Thu, 16 Oct 2008 15:17:13 GMT

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Hi Mohammad, have you been already able to solve the problem concerning the memory leak?

Sorry for bothering you, but

i have to apply several analysis methods
and i need to be able to read my reco files.

thanks in advance

Alicia.

Subject: Re: Symbol G__exception is not defined in current scope
Posted by [Mohammad Al-Turany](#) on Wed, 22 Oct 2008 20:00:49 GMT

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Hi,

Although the problem is solved, I think it worth documenting it! the Finish() method in CbmTask is called at the end of the task and not for each event, in the PndMicroWriter task, the TClonesArray->Delete() is called in Finish(), which led to the memory leak because the Tracks were never deleted!

Mohammad

Subject: Re: Symbol G__exception is not defined in current scope
Posted by [asanchez](#) on Thu, 23 Oct 2008 09:54:05 GMT

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Hi Mohammad,
thanks again for your help.
So now what are your advices?

Should i call anyway the Finish()
method at the end of the Exec in every task?

I know that for the Track objects is specially
dangerous, not to delete the TObjectArray at the end of the event.

Therefore i#m using the call ofFinish() at the end of the exec
for every Task where i read a track object.

best regards
and i owe you a cake
Alicia.

Subject: Re: Symbol G__exception is not defined in current scope
Posted by [Vishwajeet Jha](#) on Wed, 26 Nov 2008 09:24:51 GMT
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Can you please explain the solution ,

I face the similar problem when running ../macro/fsim/runReco.C for more than 2000 events

```
>Error: Symbol G__exception is not defined in current scope runReco.C:180:
>Error: type G__exception not defined FILE:../pandaroot/macro/fsim/./runReco.C LINE:180
>*** Interpreter error recovered ***
```

Regards,
Vishwajeet Jha

Subject: Re: Symbol G__exception is not defined in current scope
Posted by [asanchez](#) on Wed, 26 Nov 2008 12:04:32 GMT
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Hi try to add
fTrackArray->Delete()
at the of the Exec method
of the PndMicroWriter.Task

and at /genfit directory
if you go to the class Track.cxx
at the line 26
add the line
delete trackReps

```
Track::~~Track() {
22 if(trackReps!=NULL){
23 for(int i=0;i<getNumReps();i++) {
24 delete trackReps->At(i);
25 }
```

```
26 delete trackReps; }  
27 for(unsigned int i=0;i<hits.size();i++) {  
28 delete hits[i];  
29 }  
30 }
```

compile everything again
and try to run thr runReco.C.

I hope it works
best regards
alicia.
