
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 aftre 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./wri teMicro.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.

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 TTermlnputHandler::Notify () from
/misc/cbmsoft/Sarge32/mar08/fairsoft/tools/root/lib/libRint.so.5.18
#26 0x40b49e04 in TTermlnputHandler::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

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
where 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.
