
Subject: problem in running reco

Posted by [Anonymous Poster](#) on Wed, 21 May 2008 14:25:30 GMT

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Hi All,

I have problem in running the reconstruction although this macro was working fine, somehow today it is not working. Today I updated everything from SVN. Has there any change been made? Or I'm making some mistakes some where. I set the SIMPATH as

/misc/cbmsoft/Debian3.1/fairsoft/

I tried to run the following macro from pandaroot/macro/fsim/runAll.C but it is giving lots of errors.

The errors are as follows:

43 libraries loaded

=====

-I- CbmRunAna: Opening Input file: Lambda_2k.mc.root

Info in <TGeoManager::TGeoManager>: Geometry Geometry, Geane geometry created

Info: TGeoManager::Import : Reading geometry from file: Lambda_2k.mc.root

Info in <TGeoManager::CloseGeometry>: Geometry loaded from file...

Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave

Info in <TGeoManager::Voxelize>: Voxelizing...

Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100

Info in <TGeoManager::CloseGeometry>: 9351 nodes/ 91 volume UID's in CBM geometry

Info in <TGeoManager::CloseGeometry>: -----modeler ready-----

Loading Geant3 libraries ...

Loading Geant3 libraries ... finished

MZSTOR. ZEBRA table base TAB(0) in /MZCC/ at adr 282000095 10CEFADF HEX

MZSTOR. Initialize Store 0 in /GCBANK/

with Store/Table at absolute adrs 282108941 282000095

HEX 10D0A40D 10CEFADF

HEX 1A77A 0

relative adrs 108410 0

with 1 Str. in 2 Links in 5300 Low words in 4999970 words.

This store has a fence of 16 words.

MZLOGL. Set Log Level 0 for store 0

1***** GEANT Version 3.21/11 Released on 100298

0***** Correction Cradle Version 0.1100

MZDIV. Initialize Division Constant in Store 0

NW/NWMAX= 20004000000, MODE/KIND= 1 2

Division 20 initialized.

MZLINK. Initialize Link Area /GCLINK/ for Store 0 NL/NS= 20 20

MZLINK. Initialize Link Area /GCSLNK/ for Store 0 NL/NS= 100 100

-I- G3Config: Geant3 with TGeo has been created for Geane.

Energy stragglng area parameter from user set to: 0.9996

```
*** Break *** segmentation violation
Using host libthread_db library "/lib/libthread_db.so.1".
Attaching to program: /proc/26913/exe, process 26913
Failed to read a valid object file image from memory.
done.
done.
[Thread debugging using libthread_db enabled]
[New Thread 16384 (LWP 26913)]
done.
done.
done.
done.
done.
done.
done.
done.
done.
done.
done.
done.
done.
0x40c90788 in waitpid () from /lib/libc.so.6
#1 0x40d188c0 in __DTOR_END__ () from /lib/libc.so.6
#2 0x40c29442 in do_system () from /lib/libc.so.6
#3 0x40ba3c5f in system () from /lib/libpthread.so.0
#4 0x401fa79f in TUnixSystem::Exec () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#5 0x401fac63 in TUnixSystem::StackTrace () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#6 0x401f85cc in TUnixSystem::DispatchSignals ()
  from /misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#7 0x401f63a8 in SigHandler () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#8 0x401fdefe in sighandler () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#9 0x40ba2825 in __pthread_sighandler () from /lib/libpthread.so.0
#10 <signal handler called>
#11 0x44909324 in CbmRunSim::GetUserDeflons (this=0x0) at
/u/dkmishra/work/pnd0508/pandaroot/base/CbmRunSim.cxx:73
#12 0x448f61f7 in CbmMCApplication::AddParticles (this=0x839eb48)
  at /u/dkmishra/work/pnd0508/pandaroot/base/CbmMCApplication.cxx:689
#13 0x430f1f64 in TGeant3::Init (this=0x9b692d0) at TGeant3/TGeant3.cxx:6201
#14 0x448f3d2c in CbmMCApplication::InitMC (this=0x839eb48,
  setup=0x8701088 "/u/dkmishra/work/pnd0508/pandaroot/gconfig/Geane.C")
  at /u/dkmishra/work/pnd0508/pandaroot/base/CbmMCApplication.cxx:199
#15 0x44f6f096 in CbmGeane (this=0x861bd58, name=0x82af388 "Lambda_2k.mc.root")
  at /u/dkmishra/work/pnd0508/pandaroot/geane/CbmGeane.cxx:36
#16 0x44f7c2fe in G__GeaneDict_85_0_2 (result7=0xbfa9f4f0, funcname=0x85c0c88 "\001",
  libp=0xbfa9bf40, hash=0)
  at /u/dkmishra/work/pnd0508/build/geane/GeaneDict.cxx:364
#17 0x40779856 in Cint::G__ExceptionWrapper () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#18 0x40850ddf in G__call_cppfunc () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#19 0x4083c969 in G__interpret_func () from
```

/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#20 0x4081bb8c in G__getfunction () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#21 0x4084e5e8 in G__new_operator () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#22 0x407ffe84 in G__getexpr () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#23 0x407f42bd in G__define_var () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#24 0x408768e7 in G__defined_type () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#25 0x40878f8f in G__exec_statement () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#26 0x4083a1c3 in G__interpret_func () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#27 0x4081d34f in G__getfunction () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#28 0x40811008 in G__getitem () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#29 0x407ffd80 in G__getexpr () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#30 0x407ff01a in G__calc_internal () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#31 0x4088ee9b in G__process_cmd () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCint.so.5.18
#32 0x401c6e45 in TCint::ProcessLine () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#33 0x401c7006 in TCint::ProcessLineSynch () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#34 0x40120ed0 in TApplication::ExecuteFile () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#35 0x40120816 in TApplication::ProcessFile () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#36 0x401205a4 in TApplication::ProcessLine () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#37 0x40b48e4d in TRint::HandleTermInput () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libRint.so.5.18
#38 0x40b471a7 in TTermInputHandler::Notify () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libRint.so.5.18
#39 0x40b49e04 in TTermInputHandler::ReadNotify ()
from /misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libRint.so.5.18
#40 0x401f89d5 in TUnixSystem::CheckDescriptors ()
from /misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#41 0x401f7c7d in TUnixSystem::DispatchOneEvent ()
from /misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#42 0x40180fa0 in TSystem::InnerLoop () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#43 0x40180d61 in TSystem::Run () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#44 0x40121567 in TApplication::Run () from
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libCore.so.5.18
#45 0x40b486d9 in TRint::Run () from

```
/misc/cbmsoft/Debian3.1/fairsoft/tools/root/lib/libRint.so.5.18
#46 0x08048e2e in main ()
Root > Function runAll() busy flag cleared
```

```
root [1] .q
```

Thanks in advance,
Dipak

Subject: Re: problem in running reco
Posted by [asanchez](#) on Wed, 21 May 2008 14:45:00 GMT
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Hi Dipak i think you should

change the simpath to this path

```
/misc/cbmsoft/Debian3.1/mar08/fairsoft/
```

try again , i think it is right.

cheers ALicia.

Subject: Re: problem in running reco
Posted by [Anonymous Poster](#) on Wed, 21 May 2008 15:00:24 GMT
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Hi Alicia,

I tried with the path which you had written but still the same problem persists.

Regards,
Dipak

Subject: Re: problem in running reco
Posted by [asanchez](#) on Wed, 21 May 2008 15:12:27 GMT
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try that

```
in build directory
remove CMakeCache.txt
do again
```

```
export SIMPATH=/misc/cbmsoft/Debian3.1/march08/fairsoft
```

and after that
cmake ../pandaroot
. config.sh

Subject: Re: problem in running reco
Posted by [Anonymous Poster](#) on Wed, 21 May 2008 15:21:32 GMT
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I removed the complete build directory and compiled everything again still it doesn't work.

Thanks,
Dipak

Subject: Re: problem in running reco
Posted by [StefanoSpataro](#) on Wed, 21 May 2008 15:34:20 GMT
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If you have compiled pandaroot with a wrong release of the external packages, maybe the best thing to do is to recompile everything from scratch in another directory, with the correct SIMPATH.

The error you give seems to come from a wrong ROOT version.

Subject: Re: problem in running reco
Posted by [Anonymous Poster](#) on Wed, 21 May 2008 15:40:22 GMT
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Hi Stefano,

I started from a fresh directory still the same problem is there. What SIMPATH are you using?

I have used the following SIMPATH.

```
export SIMPATH=/misc/cbmsoft/Debian3.1/mar08/fairsoft/
```

Please let me know if you are using anything different?

Regards,
Dipak

Subject: Re: problem in running reco
Posted by [Mohammad Al-Turany](#) on Fri, 23 May 2008 08:37:59 GMT
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Hi,

Sorry for that, it is my mistake!!! it is a bug in initializing Geane which I introduce last few days!!! I correct it now in SVN 2805 please test it again and let me know! I am really sorry for this!

regards

Mohammad

Subject: Re: problem in running reco
Posted by [Anonymous Poster](#) on Fri, 23 May 2008 09:27:43 GMT
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Hi Mohammad,
Thanks a lot. Now it is working fine!!!

Best Regards,
Dipak
