
Subject: break segmantation by running runGEANE2.C from ex2

Posted by [asanchez](#) on Wed, 30 Jan 2008 10:07:13 GMT

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Dear Andrea and Pablo,
By running
runGEANE2.C

i get the following error message according to gdb

```
lxi006:geane>gdb --args root.exe runGEANE2.C
```

```
GNU gdb 6.3-debian
```

```
Copyright 2004 Free Software Foundation, Inc.
```

```
GDB is free software, covered by the GNU General Public License, and you are  
welcome to change it and/or distribute copies of it under certain conditions.
```

```
Type "show copying" to see the conditions.
```

```
There is absolutely no warranty for GDB. Type "show warranty" for details.
```

```
This GDB was configured as "i386-linux"...Using host libthread_db library  
"/lib/libthread_db.so.1".
```

```
(gdb) run
```

```
Starting program: /misc/cbmsoft/Debian3.1/201107/tools/root_r20930/bin/root.exe
```

```
runGEANE2.C
```

```
[Thread debugging using libthread_db enabled]
```

```
[New Thread 16384 (LWP 485)]
```

```
*****
```

```
* *
```

```
* W E L C O M E to R O O T *
```

```
* *
```

```
* Version 5.17/05 16 October 2007 *
```

```
* *
```

```
* You are welcome to visit our Web site *
```

```
* http://root.cern.ch *
```

```
* *
```

```
*****
```

```
ROOT 5.17/05 (trunk@20369, Nov 21 2007, 16:19:00 on linux)
```

```
CINT/ROOT C/C++ Interpreter version 5.16.27, Oct 25, 2007
```

```
Type ? for help. Commands must be C++ statements.
```

```
Enclose multiple statements between { }.
```

```
root [0]
```

```
Processing runGEANE2.C...
```

Any idea?

Alicia.

PSaid instance created... access via gSaid->f()

- RTDB container factory CbmBaseContFact

- RTDB container factory PndFieldContFact
 - RTDB container factory PndPassiveContFact
 - RTDB container factory PndSttContFact
 - RTDB container factory CbmPlaneContFact
 -I- CbmRunAna: Opening Input file: ex2.root
 -I- CbmRunAna Input file: ex2.root is connected to friend: ex2d.root
 -I- CbmRunAna Input file: ex2.root is connected to friend: ex2r.root
 Info in <TGeoManager::TGeoManager>: Geometry Geometry, Geane geometry created
 Info: TGeoManager::Import : Reading geometry from file: ex2.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>: 15949 nodes/ 2812 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 283908751 10EC1A8F HEX

MZSTOR. Initialize Store 0 in /GCBANK/
 with Store/Table at absolute adrs 284017597 283908751
 HEX 10EDC3BD 10EC1A8F
 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 straggling area parameter from user set to: 0.9996
 Warning in <TGeoManager::CloseGeometry>: geometry already closed

Calculating cross section tables, see gphysi.dat for more information

Cross section calculation concluded successfully
 -I- CbmMCApplication:: Monte carlo Engine Initialisation with TGeant3TGeo
 I- CbmGeane::CbmGeane: Geane is Initialized
 Warning in <TClass::TClass>: no dictionary for class PndBoxGenerator is available

-I- CbmRunAna::Init :
 ex2.root is connected with: ex2d.root ex2r.root

```
PndFieldCreator::SetParm()
create PndFieldPar container PndFieldPar
create PndFieldPar container PndSolenoidPar
create PndFieldPar container PndDipolePar
create PndFieldPar container PndTransPar
create PndFieldPar container PndConstPar
create PndFieldPar container PndMultiFieldPar
```

```
*****
initialisation for run id 608599272
*****
```

```
Program received signal SIGSEGV, Segmentation fault.
[Switching to Thread 16384 (LWP 485)]
0x4049e58f in ROOT::delete_TObjArray () from
/misc/cbmsoft/Debian3.1/development/tools/root/lib/libCore.so.5.17
(gdb) bt
#0 0x4049e58f in ROOT::delete_TObjArray () from
/misc/cbmsoft/Debian3.1/development/tools/root/lib/libCore.so.5.17
#1 0x401f9d82 in TClass::Destructor (this=0x84bd7e0, obj=0x5b0d444c, dtorOnly=false) at
meta/src/TClass.cxx:3381
#2 0x41008194 in TBufferFile::ReadFastArray (this=0xa062828, start=0xa10a3f4,
cl=0x84bd7e0, n=1, isPreAlloc=false,
streamer=0x0) at io/src/TBufferFile.cxx:1453
#3 0x41054f4f in TStreamerInfo::ReadBuffer<char*> (this=0x9f6a2e8, b=@0xa062828,
arr=@0xbf899350, first=0, narr=1,
eoffset=0, arrayMode=0) at io/src/TStreamerInfoReadBuffer.cxx:911
#4 0x4100cec0 in TBufferFile::ReadClassBuffer (this=0xa062828, cl=0x9f63f10,
pointer=0xa10a1f8)
at io/src/TBufferFile.cxx:3293
#5 0x45184020 in PndStt::Streamer (this=0xa10a1f8, R(bool)=@0xa062828)
at /d/panda02/asanchez/fairroot_newPack/build/stt/PndSttDict.cxx:2169
#6 0x401fbe3a in TClass::Streamer (this=0x9f63f10, object=0xa10a1f8, b=@0xa062828) at
meta/src/TClass.cxx:4263
#7 0x4100a4c8 in TBufferFile::ReadObjectAny (this=0xa062828, clCast=0x826f598) at
io/src/TBufferFile.cxx:2241
#8 0x401d804d in TObjArray::Streamer (this=0xa51ad60, b=@0xa062828) at
cont/src/TObjArray.cxx:388
#9 0x401fbe3a in TClass::Streamer (this=0x84bd7e0, object=0xa51ad60, b=@0xa062828) at
meta/src/TClass.cxx:4263
#10 0x4100a4c8 in TBufferFile::ReadObjectAny (this=0xa062828, clCast=0x84bd7e0) at
io/src/TBufferFile.cxx:2241
#11 0x41050347 in operator>><TObjArray> (buf=@0xa062828, obj=@0xa51acf4) at
TBuffer.h:347
#12 0x44f51d67 in CbmBaseParSet::Streamer (this=0xa51aca8, R(bool)=@0xa062828)
at /d/panda02/asanchez/fairroot_newPack/build/base/CbmDict.cxx:1919
#13 0x4103fd0d in TKey::Read (this=0x9f57708, obj=0xa51aca8) at io/src/TKey.cxx:943
#14 0x44e9fb50 in CbmDetParRootFileIo::read (this=0x9f57208, pPar=0xa51aca8)
at /d/panda02/asanchez/fairroot_newPack/pandaroot/parbase/CbmDetParRootFile Io.cxx:53
#15 0x44ea321a in CbmGenericParRootFileIo::init (this=0x9f57208, pPar=0xa51aca8)
at /d/panda02/asanchez/fairroot_newPack/pandaroot/parbase/CbmGenericParRoot
```

```

Filelo.cxx:25
#16 0x44ea3cfe in CbmParGenericSet::init (this=0xa51aca8, inp=0x9f56ca0)
at /d/panda02/asanchez/fairroot_newPack/pandaroot/parbase/CbmParGenericSet.cxx:37
#17 0x44ea5abb in CbmParSet::init (this=0xa51aca8)
at /d/panda02/asanchez/fairroot_newPack/pandaroot/parbase/CbmParSet.cxx:43
#18 0x44eae710 in CbmRuntimeDb::initContainers (this=0x848f590)
at /d/panda02/asanchez/fairroot_newPack/pandaroot/parbase/CbmRuntimeDb.cxx: 393
#19 0x44eae25f in CbmRuntimeDb::initContainers (this=0x848f590, runId=608599272,
refId=-1, fileName=0x44fb2ea0 "")
at /d/panda02/asanchez/fairroot_newPack/pandaroot/parbase/CbmRuntimeDb.cxx: 344
#20 0x44f43684 in CbmRunAna::Init (this=0x84b2b30) at
/d/panda02/asanchez/fairroot_newPack/pandaroot/base/CbmRunAna.cxx:106
#21 0x44f7c230 in G__CbmDict_524_0_4 (result7=0xbf8a9730, funcname=0x84aebc8 "\001",
libp=0xbf8a3950, hash=0)
at /d/panda02/asanchez/fairroot_newPack/build/base/CbmDict.cxx:8867
#22 0x407c68ca in Cint::G__ExceptionWrapper (funcp=0x44f7c20a <G__CbmDict_524_0_4>,
result7=0xbf8a9730,
funcname=0x84aebc8 "\001", libp=0xbf8a3950, hash=0) at cint/src/Api.cxx:364
#23 0x408b5ec0 in G__call_cppfunc (result7=0xbf8a9730, libp=0xbf8a3950, ifunc=0x84aebc8,
ifn=0)
---Type <return> to continue, or q <return> to quit---
at cint/src/v6_newlink.cxx:512
#24 0x408996a3 in G__interpret_func (result7=0xbf8a9730, funcname=0xbf8a9330 "Init",
libp=0xbf8a3950, hash=404,
p_ifunc=0x84aebc8, funcmatch=1, memfunc_flag=1) at cint/src/v6_ifunc.cxx:5118
#25 0x40879b15 in G__getfunction (item=0xbf8ac2f6 "Init()", known3=0xbf8abb3c,
memfunc_flag=1) at cint/src/v6_func.cxx:2511
#26 0x4095fc20 in G__getstructmem (store_var_type=112, varname=0xbf8ab810 "basiclibs",
membername=0xbf8ac2f6 "Init()",
tagname=0xbf8aa070 "fRun", known2=0xbf8abb3c, varglobal=0x409eca00, objptr=2) at
cint/src/v6_var.cxx:6562
#27 0x40953ce4 in G__getvariable (item=0xbf8ac2f0 "fRun->Init()", known2=0xbf8abb3c,
varglobal=0x409eca00, varlocal=0x0)
at cint/src/v6_var.cxx:5206
#28 0x4086b332 in G__getitem (item=0xbf8ac2f0 "fRun->Init()") at cint/src/v6_expr.cxx:1884
#29 0x40868e4a in G__getexpr (expression=0xbf8ad9c0 "fRun->Init()") at
cint/src/v6_expr.cxx:1470
#30 0x408dba67 in G__exec_function (statement=0xbf8ad9c0 "fRun->Init()", pc=0xbf8addec,
piout=0xbf8adde4,
plargestep=0xbf8addd4, presult=0xbf8ad990) at cint/src/v6_parse.cxx:598
#31 0x408ea6ca in G__exec_statement (mparen=0xbf8ade70) at cint/src/v6_parse.cxx:6923
#32 0x40840c9a in G__exec_tempfile_core (
file=0xbf8b6dc0 "
/d/panda02/asanchez/fairroot_newPack/pandaroot/macro/geane/./runGEANE2.C ", fp=0x0)
at cint/src/v6_debug.cxx:251
#33 0x40842493 in G__exec_tempfile (
file=0xbf8b6dc0 "
/d/panda02/asanchez/fairroot_newPack/pandaroot/macro/geane/./runGEANE2.C ") at
cint/src/v6_debug.cxx:798
#34 0x408f654c in G__process_cmd (line=0x406f4fc2 "I_3", prompt=0x80d127c "",
more=0x80d1274, err=0xbf8b763c,
rslt=0xbf8b7640) at cint/src/v6_pause.cxx:3070

```

```
#35 0x401e404a in TCint::ProcessLine (this=0x80d1258, line=0x406f4fc2 "l_3",
error=0xbf8b9eb4) at meta/src/TCint.cxx:289
#36 0x401e4421 in TCint::ProcessLineSynch (this=0x80d1258, line=0x406f4fc2 "l_3",
error=0xbf8b9eb4)
at meta/src/TCint.cxx:354
#37 0x40131531 in TApplication::ExecuteFile (file=0xbf8b7db3 "runGEANE2.C",
error=0xbf8b9eb4)
at base/src/TApplication.cxx:897
#38 0x40130e00 in TApplication::ProcessFile (this=0x80f2bc8, file=0xbf8b7db3
"runGEANE2.C", error=0xbf8b9eb4)
at base/src/TApplication.cxx:787
#39 0x40130d43 in TApplication::ProcessLine (this=0x80f2bc8, line=0xbf8b7db0 ".x
runGEANE2.C", sync=false, err=0xbf8b9eb4)
at base/src/TApplication.cxx:760
#40 0x40d738c4 in TRint::Run (this=0x80f2bc8, retrn=false) at rint/src/TRint.cxx:336
#41 0x08048ebe in main (argc=1, argv=0xbf8b9f74) at main/src/rmain.cxx:29
(gdb)
```

Subject: Re: break segmantation by running runGEANE2.C from ex2
Posted by [Ralf Kliemt](#) on Wed, 30 Jan 2008 10:24:10 GMT

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Hi Alicia,

It seems that there is something going on during the initialization of the parameter database.
Maybe your par file is not there or broken? Did you copy the files from
pandaroot/tutorial/geane/ex2 and recompile?

Gdb tells that there is some destructor called to delete an array. Maybe there is somewhere a
nonexistent TClonesArray* deleted.

Ralf.

Subject: Re: break segmantation by running runGEANE2.C from ex2
Posted by [asanchez](#) on Wed, 30 Jan 2008 12:11:26 GMT

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Hi Ralf, are you able to run the ex2 completely?

cheers ALicia.

Subject: Re: break segmantation by running runGEANE2.C from ex2
Posted by [Ralf Kliemt](#) on Wed, 30 Jan 2008 13:15:14 GMT

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Hi Alicia,

Yes I was able to run the ex2 tutorial with only one change: I had to use the real digitization, because the ideal one crashed. (see [message #5728]).

Kind regards, Ralf.

Subject: Re: break segmentation by running runGEANE2.C from ex2

Posted by [asanchez](#) on Wed, 30 Jan 2008 13:37:45 GMT

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Hi Ralf,
i have just tried to run it,
and it works, even by using the ideal reco.

best regards
Alicia.
