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Subject: error in ConstructGeometry()

Posted by [Annalisa Cecchi](#) on Mon, 30 Jun 2008 11:08:14 GMT

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Hi all,

I'm trying to construct the DIRC geometry using Root in the method ConstructGeometry(). Pandaroot compiles, but when I run the simulation I get the error below. It seems stupid, but I cannot to understand the reason...

Did someone know how to solve it?

Cheers

Annalisa

```
cecchi@dell-desktop:~/work/panda/fairsoft/pandaroot/macro/drc$ root -l sim_dirc.C
```

```
- RTDB container factory CbmBaseContFact
- RTDB container factory PndFieldContFact
- RTDB container factory PndPassiveContFact
```

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

```
- RTDB container factory PndSttContFact
- RTDB container factory PndEmcContFact
- RTDB container factory PndTpcContFact
- RTDB container factory PndMvdContFact
- RTDB container factory PndTofContFact
- RTDB container factory PndDrcContFact
- RTDB container factory PndMdtContFact
- RTDB container factory PndDchContFact
- RTDB container factory PndLheContFact
```

```
(int)0
```

```
root [0]
```

```
Processing sim_dirc.C...
```

```
Note: File "/home/cecchi/work/panda/fairsoft/build/lib/libDrc.so" already loaded
```

```
-l- CbmRun::SetMaterials() Media file used:
```

```
/home/cecchi/work/panda/fairsoft/pandaroot/geometry/media_pnd.geo
```

```
===== CbmRunSim: Initialising simulation run =====
```

```
Info in <TGeoManager::TGeoManager>: Geometry CBMGeom, CBM geometry created
```

```
-l- CbmGeoMedia Read media
```

```
CbmRunSim::Init() create visualisation manager
```

```
-l- PndFieldMap: Reading field map from ROOT file
```

```
/home/cecchi/work/panda/fairsoft/pandaroot/input/SolenoidMap.root
```

```
Loading Geant3 libraries ...
```

```
Loading Geant3 libraries ... finished
```

```
MZSTOR. ZEBRA table base TAB(0) in /MZCC/ at adr 754001647 2CF126EF HEX
```

```
MZSTOR. Initialize Store 0 in /GCBANK/
```

```
with Store/Table at absolute adrs 754110989 754001647
```

```
HEX 2CF2D20D 2CF126EF
```

HEX 1A72A 0  
relative adrs 108330 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.

Physics cuts with script

/home/cecchi/work/panda/fairsoft/pandaroot/gconfig/SetCuts.C

SetCuts Macro: Setting Processes..

SetCuts Macro: Setting cuts..

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

=====  
DRC:: ConstructRootGeometry() =====

CbmMCApplication::ConstructGeometry() : Now closing the geometry

Info in <TGeoManager::CheckGeometry>: Fixing runtime shapes...

Info in <TGeoManager::CheckGeometry>: ...Nothing to fix

Info in <TGeoManager::CloseGeometry>: Counting nodes...

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

Info in <TGeoManager::CloseGeometry>: Building cache...

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

Info in <TGeoManager::CloseGeometry>: 2 nodes/ 2 volume UID's in CBM geometry

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

\*\*\* Break \*\*\* segmentation violation

Attaching to program: /proc/8845/exe, process 8845

[Thread debugging using libthread\_db enabled]

[New Thread 0xb70c36c0 (LWP 8845)]

done.

0xffffe410 in \_\_kernel\_vsyscall ()

#1 0xb718c4d3 in waitpid () from /lib/tls/i686/cmov/libc.so.6

#2 0xb712f643 in ?? () from /lib/tls/i686/cmov/libc.so.6

#3 0xb7253d7d in system () from /lib/tls/i686/cmov/libpthread.so.0

#4 0xb79dfa8d in TUnixSystem::Exec () from

/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18

#5 0xb79e4bf6 in TUnixSystem::StackTrace () from

/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18

#6 0xb79e3b66 in TUnixSystem::DispatchSignals () from

/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18

#7 0xb79e3c4d in SigHandler () from

/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18

#8 0xb79dcfcd in sighandler () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18  
#9 <signal handler called>  
#10 0xb3977a74 in TGeant3TGeo::SetColor (this=0x86b0d60) at  
TGeant3/TGeant3TGeo.cxx:2121  
#11 0xb3977fb3 in TGeant3TGeo::FinishGeometry (this=0x86b0d60) at  
TGeant3/TGeant3TGeo.cxx:2103  
#12 0xb39719fc in TGeant3::Init (this=0x86b0d60) at TGeant3/TGeant3.cxx:6204  
#13 0xb30b9931 in CbmMCApplication::InitMC (this=0x85a3400, setup=0x86637c0  
"/home/cecchi/work/panda/fairsoft/pandaroot/gconfig/g3Config.C")  
at /home/cecchi/work/panda/fairsoft/pandaroot/base/CbmMCApplication.cxx:199  
#14 0xb30cdab5 in CbmRunSim::Init (this=0x85377e8) at  
/home/cecchi/work/panda/fairsoft/pandaroot/base/CbmRunSim.cxx:156  
#15 0xb3104af5 in G\_\_CbmDict\_532\_0\_4 (result7=0xbf9009b0, funcname=0x8507268 "\001",  
libp=0xbf8fdbe8, hash=0) at /home/cecchi/work/panda/fairsoft/build/base/CbmDict.cxx:9224  
#16 0xb740c507 in Cint::G\_\_ExceptionWrapper () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#17 0xb74f6b60 in G\_\_call\_cppfunc () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#18 0xb74cdb7b in G\_\_interpret\_func () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#19 0xb74bc693 in G\_\_getfunction () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#20 0xb759311e in G\_\_getstructmem () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#21 0xb7588978 in G\_\_getvariable () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#22 0xb749110f in G\_\_getitem () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#23 0xb749858c in G\_\_getexpr () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#24 0xb7523a11 in G\_\_exec\_statement () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#25 0xb747c1d8 in G\_\_exec\_tempfile\_core () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#26 0xb747c4a6 in G\_\_exec\_tempfile () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#27 0xb7531904 in G\_\_process\_cmd () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCint.so.5.18  
#28 0xb79b6178 in TCint::ProcessLine () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18  
#29 0xb79b0dec in TCint::ProcessLineSynch () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18  
#30 0xb791493f in TApplication::ExecuteFile () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18  
#31 0xb7914dc4 in TApplication::ProcessFile () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18  
#32 0xb79121b4 in TApplication::ProcessLine () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libCore.so.5.18  
#33 0xb73a5ea2 in TRint::Run () from  
/home/cecchi/work/panda/fairsoft/tools/root/lib/libRint.so.5.18  
#34 0x08048ea5 in main ()

The program is running. Quit anyway (and detach it)? (y or n) [answered Y; input not from terminal]

Detaching from program: /proc/8845/exe, process 8845

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