
Subject: [FIXED] crash in run/sim_complete.C with Geant4
Posted by [Maria Patsyuk](#) on Tue, 14 Jan 2014 08:37:11 GMT
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Dear all,

with the updated svn (23427) I'm getting the following crash in run/sim_complete.C, when using it with Geant4. I've looked on my previous topics about errors in these macros - now my errors look differently from the previous ones that's why I'm posting them (again). The simulation macro is attached. The error looks like the following:

```
root -l sim_completeG.C
root [0]
Processing sim_completeG.C...
FairRootManager::OpenOutFile("sim_complete_small.root")
[INFO ] Media file used : /u/mpatsyuk/PANDA/new_trunk/geometry/media_pnd.geo
Info in (PndGeoHandling::Instance): Making a new instance using the framework.
[INFO ] ===== FairRunSim: Initialising simulation run =====
Info in <TGeoManager::TGeoManager>: Geometry FAIRGeom, FAIR geometry created
-l- FairGeoMedia Read media
-l- container name PndEmcGeoPar
-l- container name PndEmcDigiPar
-l- container name PndEmcDigiNonuniformityPar
```

```
*****
```

```
initialisation for run id 1389687983
```

```
*****
```

```
-l- FairRunTimeDB::InitContainer() PndSensorNamePar
[ERROR ] init() PndSensorNamePar not initialized
-l- FairRunTimeDB::InitContainer() PndEmcGeoPar
[ERROR ] init() PndEmcGeoPar not initialized
-l- FairRunTimeDB::InitContainer() PndEmcDigiPar
PndEmcDigiPar initialized from Ascii file
-l- FairRunTimeDB::InitContainer() PndEmcDigiNonuniformityPar
[ERROR ] init() PndEmcDigiNonuniformityPar not initialized
Error in <FairRuntimeDb::initContainers(>: Error ocured during initialization
[INFO ] PndFieldMap: Reading field map from ROOT file
/u/mpatsyuk/PANDA/new_trunk/input/TransMap.1500.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/u/mpatsyuk/PANDA/new_trunk/input/DipoleMap1.1500.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/u/mpatsyuk/PANDA/new_trunk/input/DipoleMap2.1500.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/u/mpatsyuk/PANDA/new_trunk/input/SolenoidMap1.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/u/mpatsyuk/PANDA/new_trunk/input/SolenoidMap2.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/u/mpatsyuk/PANDA/new_trunk/input/SolenoidMap3.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/u/mpatsyuk/PANDA/new_trunk/input/SolenoidMap4.root
Loading Geant4 global libraries ...Our Macro
Loading Library libG4Tree
```

Loading Library libG4FR
Loading Library libG4GMocren
Loading Library libG4visHepRep
Loading Library libG4RayTracer
Loading Library libG4VRML
Loading Library libG4vis_management
Loading Library libG4modeling
Loading Library libG3toG4
Loading Library libG4interfaces
Loading Library libG4persistence
Loading Library libG4analysis
Loading Library libG4error_propagation
Loading Library libG4readout
Loading Library libG4physicslists
Loading Library libG4run
Loading Library libG4event
Loading Library libG4tracking
Loading Library libG4parmodels
Loading Library libG4processes
Loading Library libG4digits_hits
Loading Library libG4track
Loading Library libG4particles
Loading Library libG4geometry
Loading Library libG4materials
Loading Library libG4graphics_reps
Loading Library libG4intercoms
Loading Library libG4global
Loading Library libG4clhep
Loading VGM libraries ...
Loading g4root library ...
Loading libraries ... finished

```
*****  
Geant4 version Name: geant4-09-06-patch-01 (1-February-2013)  
Copyright : Geant4 Collaboration  
Reference : NIM A 506 (2003), 250-303  
WWW : http://cern.ch/geant4  
*****
```

```
Adding HadronPhysicsList QGSP_BERT_EMV  
G4PhysListFactory::GetReferencePhysList <QGSP_BERT_EMV> EMOption= 1  
<<< Geant4 Physics List simulation engine: QGSP_BERT 4.0
```

```
<<< Reference Physics List QGSP_BERT_EMV is built
```

```
Adding ExtraPhysicsList optical  
Adding SpecialPhysicsList stepLimiter+specialCuts+  
Available UI session types: [ GAG, tcsh, csh ]  
Visualization Manager instantiating with verbosity "warnings (3)"...  
Geant4 has been created.  
-I g4Config() using g4conf macro: /u/mpatsyuk/PANDA/new_trunk/gconfig/g4config.in  
Seed for HepJamesRandom must be non-negative
```

Seed value supplied was -482490914
Using its absolute value instead
SetCuts Macro: Setting Processes..
SetCuts Macro: Setting cuts..
++++ TG4Warning: ++++
TG4G3CutVector::CheckCutValue:
PPCUTM cut value 1 MeV is lower than 2*e_mass.
The cut will be ignored.
+++++

Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100
<l> PndPipe - Using geometry
/u/mpatsyuk/PANDA/new_trunk/geometry/beampipe_201309.root
-l container name PndGeoSttPar
-l- STT total number of tubes: 4542

===== DRC:: ConstructGeometry() =====
=====

Focusing = 0
=====

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 <TGeoManager::CountLevels>: max level = 12, max placements = 4550
Info in <TGeoManager::CloseGeometry>: 125103 nodes/ 4112 volume UID's in FAIR geometry
Info in <TGeoManager::CloseGeometry>: -----modeler ready-----
Converting Root geometry to Geant4 via VGM ...

----- EEEE ----- G4Exception-START ----- EEEE -----
*** G4Exception : GeomSolids0002
issued by : G4Polycone::G4Polycone()
Cannot create a Polycone with no contiguous segments.
Segments are not contiguous !
rMin[3] = 45 -- rMax[4] = 31
rMin[4] = 30 -- rMax[3] = 46
*** Fatal Error In Argument *** core dump ***
----- EEEE ----- G4Exception-END ----- EEEE -----

*** G4Exception: Aborting execution ***

Could you please help me with it?

Best regards,
Maria

File Attachments

1) [sim_completeG.C](#), downloaded 239 times
