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Subject: Problem with Geant4

Posted by [C. A. Douma](#) on Fri, 27 Nov 2015 20:56:14 GMT

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During my first simulation with the new R3Broot, Geant 4 crashes.  
It says there is a problem with the geometry and it says that there is  
a G4libs.C file not in the right place, but I do not understand it.

Can anyone help me? A screenshot is attached.

Christiaan Douma.

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### File Attachments

1) [screen.png](#), downloaded 937 times

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#####  
##### Run the REAL simulation for ANALYSIS (costly!): #####  
#####  
root [0]  
Processing NeuLAND.cpp..  
[INFO  ] FairRootManager::OpenOutFile("/home/christiaan/Desktop/Christiaan  
[INFO  ] Media file used: /home/christiaan/Desktop/Christiaan/IMPACT/media  
[INFO  ] ===== FairRunSim: Initialising simulation run =====  
Info in <TGeoManager::TGeoManager>: Geometry FAIRGeom, FAIR geometry create  
[INFO  ] FairGeoMedia: Read media  
  
*****  
initialisation for run id 1448657229  
*****  
[INFO  ] Create visualisation manager  
[INFO  ] -----User config is used: g4R3bConfig.C  
Error in <TROOT::LoadMacro>: macro GEANT4VMC_MACRO_DIR-NOTFOUND/g4libs.C no  
Error: Function g4libs() is not defined in current scope (tmpfile):1:  
*** Interpreter error recovered ***  
-I- R3B Config(): Loading G4 User Defined Physics List  
  
=====  
Geant4 Virtual Monte Carlo  
Version 3.2 ( 17 August 2015 )  
WWW : http://root.cern.ch/drupal/content/geant4-vmc  
=====  
Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is c  
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100  
[INFO  ] Constructing (Neu)VETO_SEG geometry from ROOT file /home/christia  
++++ TG4Warning: ++++  
TGeant4::VolId:  
MC::VolId can be called only from VMCApplication::InitGeometry or after  
while detected in VMCApplication::ConstructGeometry  
++++  
++++ TG4Warning: ++++  
TGeant4::VolId:  
MC::VolId can be called only from VMCApplication::InitGeometry or after  
while detected in VMCApplication::ConstructGeometry  
++++
```

Subject: Re: Problem with Geant4

Posted by [Dmytro Kresan](#) on Mon, 30 Nov 2015 09:31:39 GMT

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This problem was solved in the latest FairSoft release. I recommend to use it. The most recent versions are:

FairSoft - "nov15p1" <https://github.com/FairRootGroup/FairSoft/releases/tag/nov15p1>

FairRoot - "v-15.11" <https://github.com/FairRootGroup/FairRoot/releases/tag/v-15.11>

And "dev" branch of R3BRoot. I have made multiple fixes to Geant4 part today, therefore run "git checkout dev; git pull"

Best regards,  
Dima

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