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Subject: Re: New external packages (jan12)  
Posted by [Maria Patsyuk](#) on Mon, 23 Jan 2012 21:45:37 GMT  
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Dear Mohammad,

thank you,

I updated the cmake directory (at revision 14216), then hit 'cmake', './config.sh', 'make' and tried the simulation again.

Unfortunately I have the same error again.

```
root -l sim_dir.C
root [0]
Processing sim_dir.C...
Warning in <TClassTable::Add>: class PndSdsMCPoint already in TClassTable
Warning in <TClassTable::Add>: class PndSdsStrip already in TClassTable
Warning in <TClassTable::Add>: class PndSdsDigi already in TClassTable
Warning in <TClassTable::Add>: class PndSdsDetector already in TClassTable
Info in <TGeoManager::TGeoManager>: Geometry FAIRGeom, FAIR geometry created
-I- FairGeoMedia Read media
Loading Geant4 global libraries ...Our Macro
sh: /home/masha/PANDA/External_Jan2012/bin/geant4-config: not found
Error in <TUnixSystem::GetFromPipe>: command "$SIMPATH/bin/geant4-config --libs"
returned 32512
Loading VGM libraries ...
Loading g4root library ...
dlopen error: /home/masha/PANDA/External_Jan2012/transport/geant4_vmc/lib/tgt_linux/li
bg4root.so: undefined symbol: _ZTI27G4VUserDetectorConstruction
Load Error: Failed to load Dynamic link library
/home/masha/PANDA/External_Jan2012/transport/geant4_vmc/lib/tgt_linux/li bg4root.so
Warning: Return value of void g4libs_global() ignored
/home/masha/PANDA/External_Jan2012/transport/macro/g4libs.C:135:
Error: Symbol TG4RunConfiguration is not defined in current scope
/home/masha/PANDA/trunk/gconfig/g4Config.C:29:
Error: Symbol TG4RunConfiguration is not defined in current scope
/home/masha/PANDA/trunk/gconfig/g4Config.C:29:
Error: type TG4RunConfiguration not defined
FILE:/home/masha/PANDA/trunk/gconfig/g4Config.C LINE:29
Error: Invalid type 'TG4RunConfiguration*' in declaration of 'runConfiguration'
/home/masha/PANDA/trunk/gconfig/g4Config.C:29:
*** Interpreter error recovered ***
SetCuts Macro: Setting Processes..
Error: illegal pointer to class object gMC 0x0 839
/home/masha/PANDA/trunk/gconfig/SetCuts.C:23:
*** Interpreter error recovered ***

*** Break *** segmentation violation
```

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There was a crash (kSigSegmentationViolation).

This is the entire stack trace of all threads:

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```
#0 0xb78b9424 in __kernel_vsyscall ()
#1 0xb67acc53 in waitpid () from /lib/libc.so.6
#2 0xb674d343 in ?? () from /lib/libc.so.6
#3 0xb687f9dd in system () from /lib/libpthread.so.0
#4 0xb72d19c3 in TUnixSystem::Exec (this=0x8377730, shellcmd=0x8c27b38
"/home/masha/PANDA/External_Jan2012/tools/root/etc/gdb-backtrace.sh 11466 1>&2") at
/home/masha/PANDA/External_Jan2012/tools/root/core/unix/src/TUnixSystem.cxx:2058
#5 0xb72d227b in TUnixSystem::StackTrace (this=0x8377730) at
/home/masha/PANDA/External_Jan2012/tools/root/core/unix/src/TUnixSystem.cxx:2306
#6 0xb72cfc09 in TUnixSystem::DispatchSignals (this=0x8377730,
sig=kSigSegmentationViolation) at
/home/masha/PANDA/External_Jan2012/tools/root/core/unix/src/TUnixSystem.cxx:1184
#7 0xb72cdba1 in SigHandler (sig=kSigSegmentationViolation) at
/home/masha/PANDA/External_Jan2012/tools/root/core/unix/src/TUnixSystem.cxx:367
#8 0xb72d5871 in sighandler (sig=11) at
/home/masha/PANDA/External_Jan2012/tools/root/core/unix/src/TUnixSystem.cxx:3588
#9 0xb7305f4c in textinput::TerminalConfigUnix::HandleSignal (this=0xb7877ba0, signum=11)
at /home/masha/PANDA/External_Jan2012/tools/root/core/textinput/src/textinp
ut/TerminalConfigUnix.cpp:96
#10 0xb7305a7e in (anonymous namespace)::TerminalConfigUnix__handleSignal
(signum=11) at /home/masha/PANDA/External_Jan2012/tools/root/core/textinput/src/textinp
ut/TerminalConfigUnix.cpp:36
#11 <signal handler called>
#12 0xb30c5115 in FairMCApplication::InitMC (this=0x8e44f08, setup=0x8e4e1a8
"/home/masha/PANDA/trunk/gconfig/g4Config.C", cuts=0x8e4e160
"/home/masha/PANDA/trunk/gconfig/SetCuts.C") at
/home/masha/PANDA/trunk/base/FairMCApplication.cxx:200
#13 0xb30f9959 in FairRunSim::SetMCConfig (this=0x882e290) at
/home/masha/PANDA/trunk/base/FairRunSim.cxx:345
#14 0xb30f7f79 in FairRunSim::Init (this=0x882e290) at
/home/masha/PANDA/trunk/base/FairRunSim.cxx:196
#15 0xb31669f8 in G__FairDict_982_0_4 (result7=0xbfb1a9b8, funcname=0x8c54298 "",
libp=0xbfb10374, hash=0) at /home/masha/PANDA/build_Jan2012/base/FairDict.cxx:15281
#16 0xb6a7ab2f in Cint::G__ExceptionWrapper (funcp=0xb31669d2
<G__FairDict_982_0_4(G__value*, char const*, G__param*, int)>, result7=0xbfb1a9b8,
funcname=0x8c54298 "", libp=0xbfb10374, hash=0) at cint/cint/src/Api.cxx:393
#17 0xb6b462e3 in G__execute_call (result7=0xbfb1a9b8, libp=0xbfb10374, ifunc=0x8c54298,
ifn=0) at cint/cint/src/newlink.cxx:2406
#18 0xb6b46b22 in G__call_cppfunc (result7=0xbfb1a9b8, libp=0xbfb10374, ifunc=0x8c54298,
ifn=0) at cint/cint/src/newlink.cxx:2610
#19 0xb6b21c79 in G__interpret_func (result7=0xbfb1a9b8, funcname=0x8386b20 "Init",
libp=0xbfb10374, hash=404, p_ifunc=0x8c54298, funcmatch=1, memfunc_flag=1) at
cint/cint/src/ifunc.cxx:5795
#20 0xb6afdb87 in G__getfunction (item=0x8383a06 "Init()", known3=0xbfb1dea8,
memfunc_flag=1) at cint/cint/src/func.cxx:2665
#21 0xb6c23b56 in G__getstructmem (store_var_type=112, varname=...,
membername=0x8383a06 "Init()", memnamesize=2147483647, tagname=0x8384210 "fRun",
known2=0xbfb1dea8, varglobal=0xb6cdd220, objptr=2) at cint/cint/src/var.cxx:6818
```

```
#22 0xb6c1446d in G__getvariable (item=0x8383a00 "fRun->Init()", known=0xbfb1dea8,
varglobal=0xb6cdd220, varlocal=0x0) at cint/cint/src/var.cxx:5404
#23 0xb6aedce1 in G__getitem (item=0x8383a00 "fRun->Init()") at cint/cint/src/expr.cxx:1906
#24 0xb6aeb805 in G__getexpr (expression=0x83a1c60 "fRun->Init()") at
cint/cint/src/expr.cxx:1488
#25 0xb6b767b0 in G__exec_function (statement=..., pc=0xbfb1fdf8, piout=0xbfb1fdf0,
plargestep=0xbfb1fde0, presult=0xbfb1fce4) at cint/cint/src/parse.cxx:645
#26 0xb6b8680d in G__exec_statement (mparen=0xbfb1feb4) at cint/cint/src/parse.cxx:7372
#27 0xb6ac1386 in G__exec_tempfile_core (file=0x83a1458
"/home/masha/PANDA/trunk/macro/drc/./sim_dir.C", fp=0x0) at cint/cint/src/debug.cxx:265
#28 0xb6ac2d53 in G__exec_tempfile (file=0x83a1458
"/home/masha/PANDA/trunk/macro/drc/./sim_dir.C") at cint/cint/src/debug.cxx:813
#29 0xb6b94d2f in G__process_cmd (line=0x8701078 ".x
/home/masha/PANDA/trunk/macro/drc/./sim_dir.C", prompt=0x837b394 "", more=0x837b38c,
err=0xbfb20fb4, rslt=0xbfb20f70) at cint/cint/src/pause.cxx:3182
#30 0xb72803e1 in TCint::ProcessLine (this=0x837b360, line=0x8701078 ".x
/home/masha/PANDA/trunk/macro/drc/./sim_dir.C", error=0xbfb21ba0) at
/home/masha/PANDA/External_Jan2012/tools/root/core/meta/src/TCint.cxx:53 8
#31 0xb728093c in TCint::ProcessLineSynch (this=0x837b360, line=0x8701078 ".x
/home/masha/PANDA/trunk/macro/drc/./sim_dir.C", error=0xbfb21ba0) at
/home/masha/PANDA/External_Jan2012/tools/root/core/meta/src/TCint.cxx:61 7
#32 0xb71b61c0 in TApplication::ExecuteFile (file=0xbfb21bad "sim_dir.C",
error=0xbfb21ba0, keep=false) at
/home/masha/PANDA/External_Jan2012/tools/root/core/base/src/TApplication .cxx:1023
#33 0xb71b5978 in TApplication::ProcessFile (this=0x843d9c0, file=0xbfb21bad "sim_dir.C",
error=0xbfb21ba0, keep=false) at
/home/masha/PANDA/External_Jan2012/tools/root/core/base/src/TApplication .cxx:899
#34 0xb71b588d in TApplication::ProcessLine (this=0x843d9c0, line=0xbfb21baa ".x
sim_dir.C", sync=false, err=0xbfb21ba0) at
/home/masha/PANDA/External_Jan2012/tools/root/core/base/src/TApplication .cxx:872
#35 0xb69dff36 in TRint::Run (this=0x843d9c0, retrn=false) at
/home/masha/PANDA/External_Jan2012/tools/root/core/rint/src/TRint.cxx:41 8
#36 0x08048ed3 in main (argc=1, argv=0xbfb23d04) at
/home/masha/PANDA/External_Jan2012/tools/root/main/src/rmain.cxx:29
=====
```

The lines below might hint at the cause of the crash.  
If they do not help you then please submit a bug report at  
<http://root.cern.ch/bugs>. Please post the ENTIRE stack trace  
from above as an attachment in addition to anything else  
that might help us fixing this issue.

```
=====
#12 0xb30c5115 in FairMCApplication::InitMC (this=0x8e44f08, setup=0x8e4e1a8
"/home/masha/PANDA/trunk/gconfig/g4Config.C", cuts=0x8e4e160
"/home/masha/PANDA/trunk/gconfig/SetCuts.C") at
/home/masha/PANDA/trunk/base/FairMCApplication.cxx:200
#13 0xb30f9959 in FairRunSim::SetMCConfig (this=0x882e290) at
/home/masha/PANDA/trunk/base/FairRunSim.cxx:345
#14 0xb30f7f79 in FairRunSim::Init (this=0x882e290) at
/home/masha/PANDA/trunk/base/FairRunSim.cxx:196
=====
```