Subject: [FIXED] first try with fast simulation problem
Posted by Alexandros on Tue, 08 Apr 2014 09:22:19 GMT
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Hi,

I am trying my first fast simulation..I am using the /macro/scrut/simfast.C macro...
I have my own decay file, and when I try to run the simulation it goes fine umtil a point...then it crashes..What i get is this:

Loading VGM libraries ...
Loading g4root library ...
Loading libraries ... finished
Error in <TGeoManager::CloseGeometry>: you MUST call SetTopVolume() first !
Error in <TGeoManager::CloseGeometry>: you MUST call SetTopVolume() first !

-------- EEEE ------- G4Exception-START -------- EEEE -------

*** ExceptionHandler is not defined ***
*** G4Exception : G4Root_F001
issued by : TG4RootDetectorConstruction::TG4RootDetectorConstruction
Cannot create TG4RootDetectorConstruction without closed ROOT geometry !
*** Fatal Exception ***
-------- EEEE -------- G4Exception-END --------- EEEE -------

*** G4Exception: Aborting execution ***

Any help???I am doing something wrong but I don't know what...Any ideas???

Thanks

Subject: Re: first try with fast simulation problem
Posted by StefanoSpataro on Tue, 08 Apr 2014 11:11:36 GMT
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Use Geant3.

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Tue, 08 Apr 2014 11:33:09 GMT
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I tried and now i take this:

SetCuts Macro: Setting Processes..
SetCuts Macro: Setting cuts..
Error in <TGeoManager::CloseGeometry>: you MUST call SetTopVolume() first !
[INFO   ] Initialize Tasks-------------------------

-I- PndFastSim: Intialization successfull
[INFO   ] Simulation RunID: 1396956637

 Calculating cross section tables, see gphysi.dat for more information
[INFO   ] Monte carlo Engine Initialisation with : TGeant3TGeo
 -W FairPrimaryGenerator: PDG code 9010443 not found in database. This warning can be savely ignored.
Warning in <TParticle::SetPdgCode>: PDG code 9010443 unknown from TDatabasePDG
[INFO   ] FairPrimaryGenerator: (Event 1) 7 primary tracks from vertex (0.000000, 0.000000, 0.000000) with beam gradiant (0.000000, 0.000000) Event Time = 0.000000 (ns)
 -W FairPrimaryGenerator: PDG code 9010443 not found in database. This warning can be savely ignored.
Warning in <TParticle::SetPdgCode>: PDG code 9010443 unknown from TDatabasePDG
[INFO   ] FairPrimaryGenerator: (Event 2) 7 primary tracks from vertex (0.000000, 0.000000, 0.000000) with beam gradiant (0.000000, 0.000000) Event Time = 0.000000 (ns)

 *** Break *** floating point exception

===
There was a crash (#6 0xb71ec24b in SigHandler(ESignals) () from /home/alexandros/external_apr13/install/lib/root/libCore.so.5.34).
This is the entire stack trace of all threads:
===

and then a whole stack of problems...
Now???

Subject: Re: first try with fast simulation problem
Posted by StefanoSpataro on Tue, 08 Apr 2014 11:38:21 GMT
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Can you write the errors?

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Tue, 08 Apr 2014 11:50:27 GMT
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===
There was a crash (#6 0xb71ec24b in SigHandler(ESignals) () from /home/alexandros/external_apr13/install/lib/root/libCore.so.5.34).
This is the entire stack trace of all threads:
===
#0 0xb777c424 in __kernel_vsyscall ()
#1 0xb6db4253 in __waitpid_nocancel () at ../sysdeps/unix/syscall-template.S:81
#2 0xb6d3ae60 in do_system (line=0xae8fc28 "/home/alexandros/external_apr13/install/etc/gdb-backtrace.sh 12210 1>&2") at ../sysdeps/posix/system.c:148
#3 0xb71e64db in TUnixSystem::Exec(char const*) () from

```
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#4  0xb71ea08a in TUnixSystem::StackTrace() () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#5  0xb71ec117 in TUnixSystem::DispatchSignals(ESignals) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#6  0xb71ec24b in SigHandler(ESignals) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#7  0xb71e5952 in sighandler(int) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#8  <signal handler called>
#9  0xb361fa08 in phcork (modcor=0) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photos-fortran/photos.f:2473
#10 0xb361d858 in phoin (ip=1, boost=.FALSE., nhep0=0) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photos-fortran/photos.f:254
#11 0xb36186c7 in phomak (ippar=1, nhep0=0) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photos-fortran/photos.f:726
#12 0xb362103a in phtype (id=1) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photos-fortran/photos.f:637
#13 0xb3617d55 in photos_make_c (iparr=1) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photosFortranInterfaces/Photos_make.f:224
#14 0xb38b6d08 in Photospp::PhotosBranch::process (this=0xa632150) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photosCInterfaces/PhotosBranch.cxx:71
#15 0xb38bdcc6 in Photospp::PhotosEvent::process (this=0xbfd4ed78) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photosCInterfaces/PhotosEvent.cxx:28
#16 0xb3917c1f in EvtPhotosEngine::doDecay (this=0x93a6e00, theMother=0xae8f3a8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenExternal/EvtPhotosEngine.cpp:142
#17 0xb3914b20 in EvtPHOTOS::doRadCorr (this=0x9630ee0, p=0xae8f3a8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenExternal/EvtPHOTOS.cpp:46
#18 0xb2f3963a in EvtRadCorr::doRadCorr (p=0xae8f3a8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenBase/EvtRadCorr.cpp:60
#19 0xb2f7e18f in EvtDecayIncoherent::makeDecay (this=0xa0513a0, p=0xae8f3a8,
recursive=true) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenBase/EvtDecayIncoherent.cpp:50
#20 0xb2f53ef4 in EvtParticle::decay (this=0xae8f3a8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenBase/EvtParticle.cpp:454
#21 0xb2f35842 in EvtDecayAmp::makeDecay (this=0x9b2e220, p=0xae8f0b8, recursive=true)
at  /home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenBase/EvtDecayAmp.cpp:213
#22 0xb2f53ef4 in EvtParticle::decay (this=0xae8f0b8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
```

tGenBase/EvtParticle.cpp:454
#23 0xb2ed780d in EvtGen::generateDecay (this=0x96325f8, p=0xae8f0b8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev tGen.cpp:180
#24 0xb467480c in PndEvtGenDirect::ReadEvent (this=0x96036a0, primGen=0x95fc6e0) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGenDirect/PndEvtGenD
irect.cxx:179
#25 0xb3a25bce in FairPrimaryGenerator::GenerateEvent (this=0x95fc6e0,
pStack=0xa4d5db8) at /home/alexandros/pandaroot/base/sim/FairPrimaryGenerator.cxx:163
#26 0xb3a1e10e in FairMCApplication::GeneratePrimaries (this=0x9af8a50) at
/home/alexandros/pandaroot/base/sim/FairMCApplication.cxx:778
#27 0xad45953f in gukine_ () from /home/alexandros/external_apr13/install/lib/libgeant321.so
#28 0xad440799 in jumpt0_ () from /home/alexandros/external_apr13/install/lib/libgeant321.so
#29 0xad196f48 in g3trig_ () from /home/alexandros/external_apr13/install/lib/libgeant321.so
#30 0xad44a324 in TGeant3::Gtrig() () from
/home/alexandros/external_apr13/install/lib/libgeant321.so
#31 0xad449169 in TGeant3::ProcessEvent() () from
/home/alexandros/external_apr13/install/lib/libgeant321.so
#32 0xad44999b in TGeant3::ProcessRun(int) () from
/home/alexandros/external_apr13/install/lib/libgeant321.so
#33 0xb3a1b900 in FairMCApplication::RunMC (this=0x9af8a50, nofEvents=1000) at
/home/alexandros/pandaroot/base/sim/FairMCApplication.cxx:233
#34 0xb3a0cfa7 in FairRunSim::Run (this=0x9566518, NEvents=1000, NotUsed=0) at
/home/alexandros/pandaroot/base/steer/FairRunSim.cxx:351
#35 0xb3a62c63 in G__G__BaseDict_618_0_6 (result7=0xbfd51194, funcname=0x9563eb8
"", libp=0xbfd511bc, hash=0) at /home/alexandros/buildPanda/base/G__BaseDict.cxx:8423
#36 0xb66fc593 in Cint::G__ExceptionWrapper(int (*)(G__value*, char const*, G__param*,
int), G__value*, char*, G__param*, int) () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#37 0xb67abcc7 in G__execute_call () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#38 0xb67ac0a2 in G__call_cppfunc () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#39 0xb678753b in G__interpret_func () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#40 0xb67764ba in G__getfunction () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#41 0xb686d517 in G__getstructmem(int, G__FastAllocString&, char*, int, char*, int*,
G__var_array*, int) () from /home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#42 0xb6863d17 in G__getvariable () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#43 0xb674ce1c in G__getitem () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#44 0xb67529fc in G__getexpr () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#45 0xb67dfcf1 in G__exec_statement () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#46 0xb67887e1 in G__interpret_func () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#47 0xb677652c in G__getfunction () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#48 0xb674d32e in G__getitem () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34

```
#49 0xb67529fc in G__getexpr () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#50 0xb67dfcf1 in G__exec_statement () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#51 0xb673799f in G__exec_tempfile_core () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#52 0xb6739098 in G__exec_tempfile_fp () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#53 0xb67edbc4 in G__process_cmd () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#54 0xb71b1815 in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#55 0xb7109571 in TApplication::ProcessLine(char const*, bool, int*) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#56 0xb6fd9bae in TRint::HandleTermInput() () from
/home/alexandros/external_apr13/install/lib/root/libRint.so.5.34
#57 0xb6fd9292 in TTermInputHandler::Notify() () from
/home/alexandros/external_apr13/install/lib/root/libRint.so.5.34
#58 0xb6fdb722 in TTermInputHandler::ReadNotify() () from
/home/alexandros/external_apr13/install/lib/root/libRint.so.5.34
#59 0xb71eb79b in TUnixSystem::CheckDescriptors() () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#60 0xb71ec421 in TUnixSystem::DispatchOneEvent(bool) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#61 0xb71682d2 in TSystem::InnerLoop() () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#62 0xb7169170 in TSystem::Run() () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#63 0xb7107d52 in TApplication::Run(bool) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#64 0xb6fdb0c1 in TRint::Run(bool) () from
/home/alexandros/external_apr13/install/lib/root/libRint.so.5.34
#65 0x08048cd0 in main ()
===========================================================


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.
===========================================================
#9  0xb361fa08 in phcork (modcor=0) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photos-fortran/photos.f:2473
#10 0xb361d858 in phoin (ip=1, boost=.FALSE., nhep0=0) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photos-fortran/photos.f:254
#11 0xb36186c7 in phomak (ippar=1, nhep0=0) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photos-fortran/photos.f:726
#12 0xb362103a in phtype (id=1) at
```

/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photos-fortran/photos.f:637
#13 0xb3617d55 in photos_make_c (iparr=1) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photosFortranInterfaces/Photos_make.f:224
#14 0xb38b6d08 in Photospp::PhotosBranch::process (this=0xa632150) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photosCInterfaces/PhotosBranch.cxx:71
#15 0xb38bdcc6 in Photospp::PhotosEvent::process (this=0xbfd4ed78) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photosCInterfaces/PhotosEvent.cxx:28
#16 0xb3917c1f in EvtPhotosEngine::doDecay (this=0x93a6e00, theMother=0xae8f3a8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenExternal/EvtPhotosEngine.cpp:142
#17 0xb3914b20 in EvtPHOTOS::doRadCorr (this=0x9630ee0, p=0xae8f3a8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenExternal/EvtPHOTOS.cpp:46
#18 0xb2f3963a in EvtRadCorr::doRadCorr (p=0xae8f3a8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenBase/EvtRadCorr.cpp:60
#19 0xb2f7e18f in EvtDecayIncoherent::makeDecay (this=0xa0513a0, p=0xae8f3a8,
recursive=true) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenBase/EvtDecayIncoherent.cpp:50
#20 0xb2f53ef4 in EvtParticle::decay (this=0xae8f3a8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenBase/EvtParticle.cpp:454
#21 0xb2f35842 in EvtDecayAmp::makeDecay (this=0x9b2e220, p=0xae8f0b8, recursive=true)
at /home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenBase/EvtDecayAmp.cpp:213
#22 0xb2f53ef4 in EvtParticle::decay (this=0xae8f0b8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev
tGenBase/EvtParticle.cpp:454
#23 0xb2ed780d in EvtGen::generateDecay (this=0x96325f8, p=0xae8f0b8) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/Ev tGen.cpp:180
#24 0xb467480c in PndEvtGenDirect::ReadEvent (this=0x96036a0, primGen=0x95fc6e0) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGenDirect/PndEvtGenD
irect.cxx:179
#25 0xb3a25bce in FairPrimaryGenerator::GenerateEvent (this=0x95fc6e0,
pStack=0xa4d5db8) at /home/alexandros/pandaroot/base/sim/FairPrimaryGenerator.cxx:163
#26 0xb3a1e10e in FairMCApplication::GeneratePrimaries (this=0x9af8a50) at
/home/alexandros/pandaroot/base/sim/FairMCApplication.cxx:778
#27 0xad45953f in gukine_ () from /home/alexandros/external_apr13/install/lib/libgeant321.so
#28 0xad440799 in jumpt0_ () from /home/alexandros/external_apr13/install/lib/libgeant321.so
#29 0xad196f48 in g3trig_ () from /home/alexandros/external_apr13/install/lib/libgeant321.so
#30 0xad44a324 in TGeant3::Gtrig() () from
/home/alexandros/external_apr13/install/lib/libgeant321.so
#31 0xad449169 in TGeant3::ProcessEvent() () from
/home/alexandros/external_apr13/install/lib/libgeant321.so
#32 0xad44999b in TGeant3::ProcessRun(int) () from
/home/alexandros/external_apr13/install/lib/libgeant321.so
#33 0xb3a1b900 in FairMCApplication::RunMC (this=0x9af8a50, nofEvents=1000) at

/home/alexandros/pandaroot/base/sim/FairMCApplication.cxx:233
#34 0xb3a0cfa7 in FairRunSim::Run (this=0x9566518, NEvents=1000, NotUsed=0) at /home/alexandros/pandaroot/base/steer/FairRunSim.cxx:351
==

Root > Function simfast() busy flag cleared

Subject: Re: first try with fast simulation problem
Posted by Klaus Götzen on Tue, 08 Apr 2014 12:32:07 GMT
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Hi Alexandros,

what decay file did you use? Seems like a problem with photos. A simple fix might be to turn off photos by putting 'noPhotos' as first line in the decay file.

Best,
Klaus

Subject: Re: first try with fast simulation problem
Posted by StefanoSpataro on Tue, 08 Apr 2014 12:39:52 GMT
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Which release are you using? It seems quite old, please try mar14, scrut14 or the latest trunk. The fast simulation framdework was changed meanwhile and I suppose you have still old macros and code.

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Tue, 08 Apr 2014 12:49:16 GMT
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Ok it works now
Thank you for your help both!!!

Best,
Alexandros

Subject: Re: first try with fast simulation problem
Posted by StefanoSpataro on Tue, 08 Apr 2014 12:57:38 GMT
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Simply I have seen in the error message that you have evtgen inside EvtGenNew, and not inside EvtGen/EvtGen. This is how I realized the code was old

---

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Tue, 08 Apr 2014 14:23:58 GMT
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More questions of course....

After the simulation running i get this "xxxx_fast.root" file..
Can I use my old version of analysis macro or do i really need to use the ana_jpsi.C macro??
My previous macro was starting like this:

```
 int i=0,j=0, k=0, l=0;


 TString OutFile="xxxx_fast.root";


 TString inPidFile  = "pid_complete.root";
 TString inParFile  = "simparams.root";


 TString pidParFile = TString(gSystem->Getenv("VMCWORKDIR"))+"/macro/params/all.par";


 FairLogger::GetLogger()->SetLogToFile(kFALSE);
 FairRunAna* fRun = new FairRunAna();
 FairRuntimeDb* rtdb = fRun->GetRuntimeDb();
 fRun->SetInputFile(inPidFile);


 FairParRootFileIo* parIO = new FairParRootFileIo();
 parIO->open(inParFile);
 FairParAsciiFileIo* parIOPid = new FairParAsciiFileIo();
 parIOPid->open(pidParFile.Data(),"in");

 rtdb->setFirstInput(parIO);
 rtdb->setSecondInput(parIOPid);
 rtdb->setOutput(parIO);

 fRun->SetOutputFile(OutFile);
 fRun->Init();

 TFile *out = TFile::Open("psi4160.root","RECREATE");
```

i know that the answer is no but can I do it somehow??

Subject: Re: first try with fast simulation problem
Posted by Klaus Götzen on Tue, 08 Apr 2014 15:47:17 GMT
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Hi,

in principle you can use your old macro after minor modification:

- since you don't have a simparams.root, you'll have to comment that stuff
- you cannot use the same pid algos as in full sim; in fast sim there is (for the time being) only 'PidChargedProbability', which can be used for all kind of particles (also neutrals, they don't care about)
- fitting doesn't work, so you need to comment that as well.

Everything else should work as usual.

Best,
Klaus

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Wed, 09 Apr 2014 11:25:10 GMT
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Hallo again,

So I tried to change few things in my macro but it still doesn't work...
Now i am having a different error..
Here is the beggining of my macro:

```
class RhoCandList;
class RhoCandidate;
class PndAnaPidSelector;
class PndAnaPidCombiner;
class PndAnalysis;
class RhoTuple;
class PndPidCandidate;

void psi4160at15GevMomentum1000eventsAnalysis(int nevts=0)
{
 // some variables
 int i=0,j=0, k=0, l=0;

 // the output file examined
 TString OutFile="psi4160_fast.root";

 // the files coming from the simulation
 //TString inPidFile  = "pid_complete.root";    // this file contains the PndPidCandidates and
McTruth
```

```
//TString inParFile  = "simparams.root";

// PID table with selection thresholds; can be modified by the user
//TString pidParFile = TString(gSystem->Getenv("VMCWORKDIR"))+"/macro/params/all.par";

// initialization
FairLogger::GetLogger()->SetLogToFile(kFALSE);
FairRunAna* fRun = new FairRunAna();
fRun->SetWriteRunInfoFile(kFALSE);
//FairRuntimeDb* rtdb = fRun->GetRuntimeDb();
//fRun->SetInputFile(inPidFile);

// setup parameter database
//FairParRootFileIo* parIO = new FairParRootFileIo();
//parIO->open(inParFile);
//FairParAsciiFileIo* parIOPid = new FairParAsciiFileIo();
//parIOPid->open(pidParFile.Data(),"in");

//rtdb->setFirstInput(parIO);
//rtdb->setSecondInput(parIOPid);
//rtdb->setOutput(parIO);
fRun->SetInputFile(OutFile);
//fRun->SetOutputFile(OutFile);
fRun->Init();

// create an output file for all histograms
TFile *out = TFile::Open("psi4160.root","RECREATE");
```

and then tuples, while(...) and so on...

So what is wrong this time???
Do I have to create and use somehow my own "dummy_out.root" file cause I see it in the ana_jpsi.C analysis macro...

Thank you in advance for your time!!!

Subject: Re: first try with fast simulation problem
Posted by Klaus Götzen on Wed, 09 Apr 2014 11:42:25 GMT
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Hi,

actually the files

```
FairRunAna* fRun = new FairRunAna();
fRun->SetInputFile(InFile);
fRun->SetOutputFile(OutFile);
```

are needed by FairRunAna as input and output file. In the analysis macro it's however more useful to write out an own file containing the ntuples. Nevertheless the FairRunAna creates an output file, therefore I called the FairRunAna output 'dummy_out.root'.

Best,
Klaus

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Wed, 09 Apr 2014 12:08:12 GMT
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I changed it again:

```
// the output file examined
 TString InFile="psi4160_fast.root";
 TString OutFile="psi4160_out.root";

 // initialization
 FairLogger::GetLogger()->SetLogToFile(kFALSE);
 FairRunAna* fRun = new FairRunAna();
 fRun->SetWriteRunInfoFile(kFALSE);

 fRun->SetInputFile(InFile);
 fRun->SetOutputFile(OutFile);
 fRun->Init();

 // create an output file for all histograms
 TFile *out = TFile::Open("psi4160.root","RECREATE");

 // create ntuples for psi(4160), D0 and anti-D0
 RhoTuple *npsi4160 = new RhoTuple("npsi4160","npsi4160 Analysis");
 RhoTuple *nd0 = new RhoTuple("nd0","nD0 Analysis");
 RhoTuple *nantid0 = new RhoTuple("nantid0","nanti-D0 Analysis");

 // *** Now the analysis stuff *** //

 // the data reader object
 PndAnalysis* theAnalysis = new PndAnalysis();
 if(nevts==0) nevts= theAnalysis->GetEntries();
```

and again there is a fatal error:

FairRootManager::OpenOutFile("psi4160_out.root")
Error in <TFile::ReadBuffer>: error reading all requested bytes from file psi4160_fast.root, got 230 of 300
Error in <TFile::Init>: psi4160_fast.root failed to read the file type data.
[FATAL] [09.04.2014 14:01:32] [FairRootManager.cxx::OpenInChain:348] Error opening the Input file
[FATAL] [09.04.2014 14:01:32] We stop the execution of the process at this point.
[FATAL] [09.04.2014 14:01:32] For later analysis we write a core dump to core_dump_18283

Subject: Re: first try with fast simulation problem
Posted by Klaus Götzen on Wed, 09 Apr 2014 12:15:27 GMT
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Hi,

looks like your input file psi4160_fast.root wasn't closed properly. Try to open and take a look with TBrowser.

Best,
Klaus

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Wed, 09 Apr 2014 13:47:39 GMT
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The .root file is indeed broken..
If I try file->IsZombie() gives 0 so file is there.
If I try then sile->Recover it says:

"Info in <TFile::Recover>: psi4160_fast.root, recovered key TFolder:cbmroot at address 230
Info in <TFile::Recover>: psi4160_fast.root, recovered key TList:BranchList at address 698
Info in <TFile::Recover>: psi4160_fast.root, recovered key FairFileHeader:FileHeader at address 946
Info in <TFile::Recover>: psi4160_fast.root, recovered key TTree:cbmsim at address 5176972"

Without exiting root I try .L my analysis macro and then I call the function I have.
My macro is like I said before:

```
void psi4160at8Gev1000eventsAnalysis(int nevts=0)
{
 // some variables
 int i=0,j=0, k=0, l=0;

 // the output file examined
 TString InFile="psi4160_fast.root";
 TString OutFile="psi4160_out.root";

 // initialization
 FairLogger::GetLogger()->SetLogToFile(kFALSE);
 FairRunAna* fRun = new FairRunAna();
 fRun->SetWriteRunInfoFile(kFALSE);

 fRun->SetInputFile(InFile);
```

```
fRun->SetOutputFile(OutFile);
fRun->Init();

// create an output file for all histograms
TFile *out = TFile::Open("psi4160.root","RECREATE");

// create ntuples for psi(4160), D0 and anti-D0
RhoTuple *npsi4160 = new RhoTuple("npsi4160","npsi4160 Analysis");
RhoTuple *nd0 = new RhoTuple("nd0","nD0 Analysis");
RhoTuple *nantid0 = new RhoTuple("nantid0","nanti-D0 Analysis");

// *** Now the analysis stuff *** //

// the data reader object
PndAnalysis* theAnalysis = new PndAnalysis();
if(nevts==0) nevts= theAnalysis->GetEntries();
```

and then the real analysis part comes...

But now I am taking this as an error:

```
FairRootManager::OpenOutFile("psi4160_out.root")
Warning in <TFile::Init>: file psi4160_fast.root probably not closed, trying to recover
Info in <TFile::Recover>: psi4160_fast.root, recovered key TFolder:cbmroot at address 230
Info in <TFile::Recover>: psi4160_fast.root, recovered key TList:BranchList at address 698
Info in <TFile::Recover>: psi4160_fast.root, recovered key FairFileHeader:FileHeader at address 946
Info in <TFile::Recover>: psi4160_fast.root, recovered key TTree:cbmsim at address 5176972
Warning in <TFile::Init>: successfully recovered 4 keys
Fatal in <ApplySequence>: The sequence of actions to read PndMCTrack:1 member-wise was not initialized.
aborting
```

and then a stack of errors which lead to exit root...

I really have no idea (as you will have probably understood by now) of what is wrong!!!

Subject: Re: first try with fast simulation problem
Posted by Klaus Götzen on Wed, 09 Apr 2014 14:24:13 GMT
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You'll have to rerun the simulation to get an uncorrupted _fast.root file. With the broken file it won't work.

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Wed, 09 Apr 2014 15:26:41 GMT

Ok the simulation works now..
The file I get from my analysis("psi4160.root") with the ntuples is empty...
I checked with the TBrowser and the tuples are there but empty..
This is what I do:

```
// some variables
 int i=0,j=0, k=0, l=0;

 // the output file examined
 TString InFile="psi4160_fast.root";
 TString OutFile="psi4160_out.root";

 // initialization
 FairLogger::GetLogger()->SetLogToFile(kFALSE);
 FairRunAna* fRun = new FairRunAna();
 fRun->SetWriteRunInfoFile(kFALSE);

 fRun->SetInputFile(InFile);
 fRun->SetOutputFile(OutFile);
 fRun->Init();

 RhoCalculationTools::ForceConstantBz(20.0);

 // create an output file for all histograms
 TFile *out = TFile::Open("psi4160.root","RECREATE");

 // create ntuples for psi(4160), D0 and anti-D0
 RhoTuple *npsi4160 = new RhoTuple("npsi4160","npsi4160 Analysis");
 RhoTuple *nd0 = new RhoTuple("nd0","nD0 Analysis");
 RhoTuple *nantid0 = new RhoTuple("nantid0","nanti-D0 Analysis");

 // *** Now the analysis stuff *** //

 // the data reader object
 PndAnalysis* theAnalysis = new PndAnalysis();
 if(nevts==0) nevts= theAnalysis->GetEntries();

 // RhoCandLists for the analysis
 RhoCandList psi4160, d0, antid0, kplus, kminus, piplus, piminus, all;

 // Mass selector for the psi4160, do/anti-d0, K+/K-, pi+/pi- cands

 double m0_d0 = TDatabasePDG::Instance()->GetParticle("D0")->Mass();   // Get nominal
PDG mass of the D0/anti-D0
 RhoMassParticleSelector *d0MassSel=new RhoMassParticleSelector("d0",m0_d0,1.0);


 // Pid Selection Algorithms
 TString pidSelection = "PidChargedProbability";
```

```
// the lorentz vector of the initial psi(4160)
TLorentzVector ini(0, 0, 6.833, 8.000);

// *** the event loop *** //

while (theAnalysis->GetEvent() && i++<nevts)
{

 cout<< " evt " << i << endl;

 // Select with no Loose PID info; type and mass are set
 theAnalysis->FillList(all,  "All", pidSelection);
 PndEventShape evsh(all, ini, 0.05, 0.1);
 theAnalysis->FillList(kplus,  "KaonLoosePlus", pidSelection);
 theAnalysis->FillList(kminus, "KaonLooseMinus", pidSelection);
 theAnalysis->FillList(piplus,  "PionLoosePlus", pidSelection);
 theAnalysis->FillList(piminus, "PionLooseMinus", pidSelection);
/// first I have the same stuff as following for D0 and antiD0 and then comes the next part

// *** combinatorics for psi4160 -> d0 anti-d0 *** //
 psi4160.Combine(d0, antid0);
 psi4160.SetType(60443);

 for (j=0;j<psi4160.GetLength();++j)
 {
  // get daughters
  RhoCandidate *dd0 =  psi4160[j]->Daughter(0);
  RhoCandidate *dantid0 = psi4160[j]->Daughter(1);

  PndPidCandidate *dd0_rec = (PndPidCandidate*)dd0->GetRecoCandidate();
  PndPidCandidate *dantid0_rec = (PndPidCandidate*)dantid0->GetRecoCandidate();

  // get truth information
  bool mct = theAnalysis->McTruthMatch(psi4160[j]);
  RhoCandidate *true_psi4160 = psi4160[j]->GetMcTruth();

  // do 4C fit
  PndKinFitter fitter(psi4160[j]); // instantiate the kin fitter in psi(2S)
  fitter.Add4MomConstraint(ini); // set 4 constraint
  fitter.Fit();             // do fit
  RhoCandidate *fit4c_psi4160 = psi4160[j]->GetFit(); // get fitted psi4160

  double chi2_4c = fitter.GetChi2(); // get chi2 of fit
  double prob_4c = fitter.GetProb(); // access probability of fit

  // general event info
  npsi4160->Column("ev", (Float_t) i, -999.9f);
  npsi4160->Column("cand", (Float_t) j, -999.9f);

  // basic psi4160 info
  npsi4160->Column("psi4160m", (Float_t) psi4160[j]->M(), -999.9f);
  npsi4160->Column("psi4160p", (Float_t) psi4160[j]->P(), -999.9f);
```

```
npsi4160->Column("psi4160pt", (Float_t) psi4160[j]->P3().Pt(), -999.9f);
npsi4160->Column("psi4160tht", (Float_t) psi4160[j]->P3().Theta()*57.30, -999.9f);
npsi4160->Column("psi41604c", (Float_t) fit4c_psi4160->M(), -999.9f);
```

So if I try to draw psi4160m for example it gives nothing..
There is a problem with the tuple filling and writing I guess...

When you have time again I would appreciate your help...

Subject: Re: first try with fast simulation problem
Posted by Klaus Götzen on Wed, 09 Apr 2014 16:25:35 GMT
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Hi,

I can't tell so much, because I don't know what you simulated at which energy. Your initial 4-momentum ini doesn't seem to match m=4.16 GeV corresponding to the psi(4160). Then you are requesting RecoCandidates from your composite D's which actually isn't possible.

So I'd need more info about what you did or want to do ...

Best,
Klaus

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Thu, 10 Apr 2014 12:37:34 GMT
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So, I am trying to examine ppbar->D0-antiD0->K-pi+ K+pi-

The momentum is 8 GeV/c...10000 events...

I want to do some basic analysis, kinematics and so on..
So for example I want to draw psi4160 mass..
In the last for loop for the psi4160 I want to take column "psi4160m" and draw it...
The problem is that the ntuples I get from this analysis are empty in the "psi4160.root" file...
They exist but they are empty...So I guess there is a problem writing/filling the tuples..
Any ideas???
You can find the macro attached...
You will probably find some mistakes in the macro but I don't think they affect the filling/writing procedure...

Thanks

File Attachments
1) psi4160at8GeV10000eventsAnalysis.C, downloaded 478 times

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Tue, 22 Apr 2014 08:58:42 GMT
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I changed my code in the new form:

```
// *** some variables
 int i=0,j=0, k=0, l=0;
 //gStyle->SetOptFit(1011);

 // *** the output file for FairRunAna
 TString OutFile="psi4160_out.root";

 // *** initialization
 FairLogger::GetLogger()->SetLogToFile(kFALSE);
 FairRunAna* fRun = new FairRunAna();
 fRun->SetWriteRunInfoFile(kFALSE);
 fRun->SetInputFile(InFile);
 fRun->SetOutputFile(OutFile); // only dummy; the real output is psi4160.root
 fRun->Init();

 // *** take constant field; needed for PocaVtx
 RhoCalculationTools::ForceConstantBz(20.0);

 // *** create an output file for all histograms
 TFile *out = TFile::Open("psi4160.root","RECREATE");

 // *** create some ntuples
 RhoTuple *npsi4160 = new RhoTuple("npsi4160", "psi4160 analysis");
 RhoTuple *nd0 = new RhoTuple("nd0", "d0 analysis");
 RhoTuple *nantid0 = new RhoTuple("nantid0", "antid0 analysis");
 RhoTuple *nmc  = new RhoTuple("nmc",  "mctruth info");

 //
 // Now the analysis stuff comes...
 //

 // *** the data reader object
 PndAnalysis* theAnalysis = new PndAnalysis();
 if (nevts==0) nevts= theAnalysis->GetEntries();

 // *** name of the only PidAlgo TClonesArray in fsim
 TString pidalg = "PidChargedProbability";

 // *** QA tool for simple dumping of analysis results in RhoRuple
 PndRhoTupleQA qa(theAnalysis, pbarmom);

 // *** RhoCandLists for the analysis
 RhoCandList psi4160, d0, antid0, kplus, kminus, piplus, piminus, all, mclist;

 // *** Mass selector for the d0 cands
 double m0_d0 = TDatabasePDG::Instance()->GetParticle("D0")->Mass();   // Get nominal
```

PDG mass of the D0/anti-D0
 RhoMassParticleSelector *d0MassSel=new RhoMassParticleSelector("d0",m0_d0,1.0);

 // *** the lorentz vector of the initial psi(4160)
 TLorentzVector ini(0, 0, 8.000, 9.016);

 // ***
 // the event loop
 // ***

 while (theAnalysis->GetEvent() && i++<nevts)

and so on, but now it gives me an error saying:

-I- FairRunTimeDB::InitContainer() FairBaseParSet
[ERROR] init() FairBaseParSet not initialized
-I- FairRunTimeDB::InitContainer() ANAPidSelections
[ERROR] init() ANAPidSelections not initialized
Error in <FairRuntimeDb::initContainers()>: Error occured during initialization
[INFO   ] The number of entries in chain is 10000

 *** Break *** segmentation violation

Do you have any idea of what is wrong???

Subject: Re: first try with fast simulation problem
Posted by StefanoSpataro on Tue, 22 Apr 2014 09:04:26 GMT
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What does it write after the break?

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Tue, 22 Apr 2014 09:15:01 GMT
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-I- FairRunTimeDB::InitContainer() FairBaseParSet
[ERROR] init() FairBaseParSet not initialized
-I- FairRunTimeDB::InitContainer() ANAPidSelections
[ERROR] init() ANAPidSelections not initialized
Error in <FairRuntimeDb::initContainers()>: Error occured during initialization
[INFO   ] The number of entries in chain is 10000

 *** Break *** segmentation violation

===
There was a crash (#6 0xb71a724b in SigHandler(ESignals) () from

```
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34).
This is the entire stack trace of all threads:
===========================================================
#0  0xb7737424 in __kernel_vsyscall ()
#1  0xb6d6f253 in __waitpid_nocancel () at ../sysdeps/unix/syscall-template.S:81
#2  0xb6cf5e60 in do_system (line=0x95fc930
"/home/alexandros/external_apr13/install/etc/gdb-backtrace.sh 11870 1>&2") at
../sysdeps/posix/system.c:148
#3  0xb71a14db in TUnixSystem::Exec(char const*) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#4  0xb71a508a in TUnixSystem::StackTrace() () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#5  0xb71a7117 in TUnixSystem::DispatchSignals(ESignals) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#6  0xb71a724b in SigHandler(ESignals) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#7  0xb71a0952 in sighandler(int) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#8  0xb71d54b5 in textinput::TerminalConfigUnix::HandleSignal(int) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#9  0xb71d5504 in (anonymous namespace)::TerminalConfigUnix__handleSignal(int) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#10 <signal handler called>
#11 0xb33b78fd in PndAnalysis::GetMcCandList (this=0x9579450, l=...) at
/home/alexandros/pandaroot/PndTools/AnalysisTools/PndAnalysis.cxx:310
#12 0xb33b7502 in PndAnalysis::FillList (this=0x9579450, l=..., listkey=<incomplete type>,
pidTcaNames=<incomplete type>) at
/home/alexandros/pandaroot/PndTools/AnalysisTools/PndAnalysis.cxx:241
#13 0xb34441d2 in G__G__AnalysisToolsDict_890_0_7 (result7=0xbff8ceb4,
funcname=0x95771e0 "", libp=0xbff8cedc, hash=0) at
/home/alexandros/buildPanda/PndTools/AnalysisTools/G__AnalysisToolsDict. cxx:5328
#14 0xb66b7593 in Cint::G__ExceptionWrapper(int (*)(G__value*, char const*, G__param*,
int), G__value*, char*, G__param*, int) () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#15 0xb6766cc7 in G__execute_call () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#16 0xb67670a2 in G__call_cppfunc () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#17 0xb674253b in G__interpret_func () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#18 0xb67314ba in G__getfunction () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#19 0xb6828517 in G__getstructmem(int, G__FastAllocString&, char*, int, char*, int*,
G__var_array*, int) () from /home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#20 0xb681ed17 in G__getvariable () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#21 0xb6707e1c in G__getitem () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#22 0xb670d9fc in G__getexpr () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#23 0xb679acf1 in G__exec_statement () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
```

```
#24 0xb67a3cd1 in G__exec_loop(char const*, char*, std::list<G__FastAllocString,
std::allocator<G__FastAllocString> > const&) [clone .constprop.42] () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#25 0xb679b8df in G__exec_statement () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#26 0xb67437e1 in G__interpret_func () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#27 0xb673152c in G__getfunction () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#28 0xb670832e in G__getitem () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#29 0xb670d9fc in G__getexpr () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#30 0xb679acf1 in G__exec_statement () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#31 0xb66f299f in G__exec_tempfile_core () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#32 0xb66f4098 in G__exec_tempfile_fp () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#33 0xb67a8bc4 in G__process_cmd () from
/home/alexandros/external_apr13/install/lib/root/libCint.so.5.34
#34 0xb716c815 in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#35 0xb70c4571 in TApplication::ProcessLine(char const*, bool, int*) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#36 0xb6f94bae in TRint::HandleTermInput() () from
/home/alexandros/external_apr13/install/lib/root/libRint.so.5.34
#37 0xb6f94292 in TTermInputHandler::Notify() () from
/home/alexandros/external_apr13/install/lib/root/libRint.so.5.34
#38 0xb6f96722 in TTermInputHandler::ReadNotify() () from
/home/alexandros/external_apr13/install/lib/root/libRint.so.5.34
#39 0xb71a679b in TUnixSystem::CheckDescriptors() () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#40 0xb71a7421 in TUnixSystem::DispatchOneEvent(bool) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#41 0xb71232d2 in TSystem::InnerLoop() () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#42 0xb7124170 in TSystem::Run() () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#43 0xb70c2d52 in TApplication::Run(bool) () from
/home/alexandros/external_apr13/install/lib/root/libCore.so.5.34
#44 0xb6f960c1 in TRint::Run(bool) () from
/home/alexandros/external_apr13/install/lib/root/libRint.so.5.34
#45 0x08048cd0 in main ()
===========================================================
```

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.

==
#11 0xb33b78fd in PndAnalysis::GetMcCandList (this=0x9579450, l=...) at
/home/alexandros/pandaroot/PndTools/AnalysisTools/PndAnalysis.cxx:310
#12 0xb33b7502 in PndAnalysis::FillList (this=0x9579450, l=..., listkey=<incomplete type>,
pidTcaNames=<incomplete type>) at
/home/alexandros/pandaroot/PndTools/AnalysisTools/PndAnalysis.cxx:241
==

Root > Function psi4160at8GeV10000eventsAnalysis() busy flag cleared

*** Break *** keyboard interrupt psi4160at8GeV10000eventsAnalysis.C:25:

Subject: Re: first try with fast simulation problem
Posted by StefanoSpataro on Wed, 23 Apr 2014 18:01:10 GMT
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Have you tried with the latest scrut? There was an intensive bug fixing there.

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Tue, 29 Apr 2014 11:36:39 GMT
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Nothing changed..
I still get the same problem...

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Tue, 29 Apr 2014 13:34:29 GMT
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problem solved!!!!!!!!!!!!!!

Subject: Re: first try with fast simulation problem
Posted by StefanoSpataro on Tue, 29 Apr 2014 13:53:38 GMT
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Which was the solution?

Subject: Re: first try with fast simulation problem
Posted by Alexandros on Tue, 29 Apr 2014 15:01:39 GMT
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For some reason I was loading the wrong libraries from a previous edition of "buildpanda"...

yes it happens

Subject: Re: first try with fast simulation problem
Posted by StefanoSpataro on Tue, 29 Apr 2014 17:58:21 GMT
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Ok,I close the discussion, in case of new problems just open a new topic.