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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., nhop0=0) at  
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/  
photos-fortran/photos.f:254  
#11 0xb36186c7 in phomak (ippar=1, nhop0=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/EvtGenBase/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/EvtGenBase/EvtDecayIncoherent.cpp:50

#20 0xb2f53ef4 in EvtParticle::decay (this=0xae8f3a8) at  
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/EvtGenBase/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/EvtGenBase/EvtDecayAmp.cpp:213

#22 0xb2f53ef4 in EvtParticle::decay (this=0xae8f0b8) at  
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/EvtGenBase/EvtParticle.cpp:454

#23 0xb2ed780d in EvtGen::generateDecay (this=0x96325f8, p=0xae8f0b8) at  
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGen/R01-03-00/src/EvtGenBase/EvtGen.cpp:180

#24 0xb467480c in PndEvtGenDirect::ReadEvent (this=0x96036a0, primGen=0x95fc6e0) at  
/home/alexandros/pandaroot/pgenerators/EvtGenNew/EvtGenDirect/PndEvtGenDirect.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\*,

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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 ()
=====

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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., nhop0=0) at
/home/alexandros/pandaroot/pgenerators/EvtGenNew/Photos/Photos.3.52/src/
photos-fortran/photos.f:254
#11 0xb36186c7 in phomak (ippar=1, nhop0=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