

Hi Stefano,

i changed the line you suggested and ran the job again:

Now it crashes after several thousand events, leaving me with the following stacktrace:

```
evt 60200
evt: 60300
evt 60300
evt: 60400
evt 60400
evt: 60500
evt 60500
```

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

```
=====
There was a crash.
```

This is the entire stack trace of all threads:

```
=====
    stat_loc=0x7fff7f96e9c, options=<value optimized out>)
    at ../sysdeps/unix/sysv/linux/waitpid.c:32
#0  0x00007f009768483e in __libc_waitpid (pid=<value optimized out>,
    stat_loc=0x7fff7f96e9c, options=<value optimized out>)
    at ../sysdeps/unix/sysv/linux/waitpid.c:32
#1  0x00007f00976222c9 in do_system (line=<value optimized out>)
    at ../sysdeps/posix/system.c:149
#2  0x00007f009853ddb8 in TUnixSystem::StackTrace() ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#3  0x00007f009853d6a3 in TUnixSystem::DispatchSignals(ESignals) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#4  <signal handler called>
#5  0x00007f008e46aa33 in RhoCalculationTools::GetBz (pos=...)
    at /hera/panda/malte/scrut14/rho/RhoTools/RhoCalculationTools.cxx:35
#6  0x00007f008ed0a9e6 in PndKinFitter::SetOutput (this=0x7fff7f99c30)
    at /hera/panda/malte/scrut14/PndTools/AnalysisTools/Fitter/PndKinFitter.cxx:190
#7  0x00007f008ed09b0a in PndKinFitter::Fit (this=0x7fff7f99c30)
    at /hera/panda/malte/scrut14/PndTools/AnalysisTools/Fitter/PndKinFitter.cxx:93
#8  0x00007f008da608c6 in PndScrutAnaTask::Exec (this=0x1297d70,
    opt=0x7f008ff740e0 "")
    at /hera/panda/malte/scrut14/macro/scrut/PndScrutAnaTask.cxx:168
#9  0x00007f00984c4fea in TTask::ExecuteTasks(char const*) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#10 0x00007f00984c4ffe in TTask::ExecuteTasks(char const*) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
```

```

#11 0x00007f00984c434e in TTask::ExecuteTask(char const*) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#12 0x00007f008fe74db2 in FairMCApplication::FinishEvent (this=0x19b9810)
    at /hera/panda/malte/scrut14/base/sim/FairMCApplication.cxx:521
#13 0x00007f008bfe5e62 in TGeant3::ProcessRun(int) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/libgeant321.so
#14 0x00007f008fe73870 in FairMCApplication::RunMC (this=0x19b9810,
    nofEvents=100000)
    at /hera/panda/malte/scrut14/base/sim/FairMCApplication.cxx:246
#15 0x00007f008fe63e60 in FairRunSim::Run (this=0x13e0ec0, NEvents=100000,
    NotUsed=0) at /hera/panda/malte/scrut14/base/steer/FairRunSim.cxx:372
#16 0x00007f008fed4ba1 in G__G__BaseDict_775_0_7 (result7=0x7fff77fa6b00,
    funcname=0x13dcc50 "", libp=0x7fff77f9c0f0, hash=0)
    at /hera/panda/malte/scrut14/buildPanda/base/G__BaseDict.cxx:11663
#17 0x00007f0096a9e369 in Cint::G__ExceptionWrapper(int (*)(G__value*, char const*,
    G__param*, int), G__value*, char*, G__param*, int) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#18 0x00007f0096b42331 in G__execute_call ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#19 0x00007f0096b43192 in G__call_cppfunc ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#20 0x00007f0096b203a8 in G__interpret_func ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#21 0x00007f0096b0e030 in G__getfunction ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#22 0x00007f0096bffbda in G__getstructmem(int, G__FastAllocString&, char*, int, char*, int*,
    G__var_array*, int) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#23 0x00007f0096bf8394 in G__getvariable ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#24 0x00007f0096aeaf6d in G__getitem ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#25 0x00007f0096af0288 in G__getexpr ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#26 0x00007f0096b701f7 in G__exec_statement ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#27 0x00007f0096b21773 in G__interpret_func ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#28 0x00007f0096b0e08f in G__getfunction ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#29 0x00007f0096aeb6ee in G__getitem ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#30 0x00007f0096af0288 in G__getexpr ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#31 0x00007f0096af97b8 in G__calc_internal ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#32 0x00007f0096b7f91e in G__process_cmd ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCint.so.5.34
#33 0x00007f00984fa046 in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) () from
    /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#34 0x00007f00984f79c3 in TCint::ProcessLineSynch(char const*, TInterpreter::EErrorCode*)
    ()

```

```

from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#35 0x00007f009844f558 in TApplication::ExecuteFile(char const*, int*, bool) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#36 0x00007f009844ce53 in TApplication::ProcessLine(char const*, bool, int*) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#37 0x00007f00980a0328 in TRint::Run(bool) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libRint.so.5.34
#38 0x000000000040115c in main ()
#39 0x00007f0097602c8d in __libc_start_main (main=<value optimized out>,
    argc=<value optimized out>, ubp_av=<value optimized out>,
    init=<value optimized out>, fini=<value optimized out>,
    rtd_fini=<value optimized out>, stack_end=0x7fff77fbcab8)
    at libc-start.c:228
#40 0x0000000000401029 in _start ()
=====

```

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.

```

=====
#5 0x00007f008e46aa33 in RhoCalculationTools::GetBz (pos=...)
    at /hera/panda/malte/scrut14/rho/RhoTools/RhoCalculationTools.cxx:35
#6 0x00007f008ed0a9e6 in PndKinFitter::SetOutput (this=0x7fff77f99c30)
    at /hera/panda/malte/scrut14/PndTools/AnalysisTools/Fitter/PndKinFitter.cxx:190
#7 0x00007f008ed09b0a in PndKinFitter::Fit (this=0x7fff77f99c30)
    at /hera/panda/malte/scrut14/PndTools/AnalysisTools/Fitter/PndKinFitter.cxx:93
#8 0x00007f008da608c6 in PndScrutAnaTask::Exec (this=0x1297d70,
    opt=0x7f008ff740e0 "")
    at /hera/panda/malte/scrut14/macro/scrut/PndScrutAnaTask.cxx:168
#9 0x00007f00984c4fea in TTask::ExecuteTasks(char const*) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#10 0x00007f00984c4ffe in TTask::ExecuteTasks(char const*) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#11 0x00007f00984c434e in TTask::ExecuteTask(char const*) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/root/libCore.so.5.34
#12 0x00007f008fe74db2 in FairMCApplication::FinishEvent (this=0x19b9810)
    at /hera/panda/malte/scrut14/base/sim/FairMCApplication.cxx:521
#13 0x00007f008bfe5e62 in TGeant3::ProcessRun(int) ()
    from /cvmfs/fairroot.gsi.de/fairsoft/apr13/lib/libgeant321.so
#14 0x00007f008fe73870 in FairMCApplication::RunMC (this=0x19b9810,
    nofEvents=100000)
    at /hera/panda/malte/scrut14/base/sim/FairMCApplication.cxx:246
#15 0x00007f008fe63e60 in FairRunSim::Run (this=0x13e0ec0, NEvents=100000,
    NotUsed=0) at /hera/panda/malte/scrut14/base/steer/FairRunSim.cxx:372
=====

```

Root > Function simfast_opt() busy flag cleared

Every time I run it, the crash occurs after a different number of events. This may be due to the fact that I cannot generate the `_same_` events again, using exactly the same random seed (can I??).

How to deal with this error?

Best regards,
Malte
