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Subject: [FIXED] Problems in PndTrkTracking2  
Posted by [Shyam Kumar](#) on Mon, 30 Sep 2013 14:47:14 GMT  
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Hi Stefano,

There is a problem in the reconstruction of events it is showing segmentation violation.

Error in <TDecompSVD::Diagonalize>: no convergence after 21 steps  
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from PndTrkTracking2 : N. di Stt MC points = 942 and it is > MAXSTTHITS (900), therefore consider only the first 900 hits

from PndTrkTracking2 : N. di Stt Hits = 942 and it is > MAXSTTHITS (=900), therefore consider only the first 900 hits

-I- PndRecoKalmanTask::Exec: ntracks=60 Evil Event! skipping  
Error in <TDecompSVD::Diagonalize>: no convergence after 21 steps  
-I- PndRecoKalmanTask::Exec: ntracks=61 Evil Event! skipping  
Error in <TDecompSVD::Diagonalize>: no convergence after 21 steps

\*\*\* Break \*\*\* segmentation violation

=====  
There was a crash.

This is the entire stack trace of all threads:

=====  
#0 0x00007fcbf1baa8ba in waitpid () from /lib64/libc.so.6  
#1 0x00007fcbf1b345d0 in do\_system () from /lib64/libc.so.6  
#2 0x00007fcbf2a95dd6 in TUnixSystem::StackTrace() () from /private/fairsoft/build-apr13/lib/root/libCore.so.5.34  
#3 0x00007fcbf2a985f3 in TUnixSystem::DispatchSignals(ESignals) () from /private/fairsoft/build-apr13/lib/root/libCore.so.5.34  
#4 <signal handler called>  
#5 0x00007fcbe7eb76a2 in FairMCPPoint::GetTrackID (this=0x0) at /private/kumar/pandaroot/base/event/FairMCPPoint.h:43  
#6 0x00007fcbe270f013 in PndTrkTracking2::Exec (this=0x7fcbe2541010, opt=0x7fcbe7ec8120 "") at /private/kumar/pandaroot/tracking/PndTrkTracking2.cxx:1180  
#7 0x00007fcbf2a277dd in TTask::ExecuteTasks(char const\*) () from /private/fairsoft/build-apr13/lib/root/libCore.so.5.34  
#8 0x00007fcbf2a27b11 in TTask::ExecuteTask(char const\*) () from /private/fairsoft/build-apr13/lib/root/libCore.so.5.34  
#9 0x00007fcbe7dc012a in FairRunAna::Run (this=0x1488300, Ev\_start=0, Ev\_end=100000) at /private/kumar/pandaroot/base/steer/FairRunAna.cxx:461  
#10 0x00007fcbe7e1d841 in G\_\_G\_\_BaseDict\_618\_0\_6 (result7=0x7fffaa8296d0, funcname=0x1483c10 "", libp=0x7fffaa829710, hash=0) at /private/kumar/pandaroot/buildPanda/base/G\_\_BaseDict.cxx:8419  
#11 0x00007fcbf0c1275c in Cint::G\_\_ExceptionWrapper(int (\*)(G\_\_value\*, char const\*, G\_\_param\*, int), G\_\_value\*, char\*, G\_\_param\*, int) () from

```
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#12 0x00007fcbf0b6f7a1 in G__execute_call () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#13 0x00007fcbf0b6fb9e in G__call_cppfunc () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#14 0x00007fcbf0bf9779 in G__interpret_func () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#15 0x00007fcbf0c73fbc in G__getfunction () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#16 0x00007fcbf0bd77ca in G__getstructmem(int, G__FastAllocString&, char*, int, char*, int*,
G__var_array*, int) () from /private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#17 0x00007fcbf0bcf04b in G__getvariable () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#18 0x00007fcbf0b48d3d in G__getitem () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#19 0x00007fcbf0b4f478 in G__getexpr () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#20 0x00007fcbf0c52df1 in G__exec_statement () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#21 0x00007fcbf0bf78b9 in G__interpret_func () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#22 0x00007fcbf0c74021 in G__getfunction () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#23 0x00007fcbf0b494a2 in G__getitem () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#24 0x00007fcbf0b4f478 in G__getexpr () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#25 0x00007fcbf0b5aecd in G__calc_internal () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#26 0x00007fcbf0b43428 in G__process_cmd () from
/private/fairsoft/build-apr13/lib/root/libCint.so.5.34
#27 0x00007fcbf2a68ca1 in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) () from
/private/fairsoft/build-apr13/lib/root/libCore.so.5.34
#28 0x00007fcbf2a5f7a3 in TCint::ProcessLineSynch(char const*, TInterpreter::EErrorCode*)
() from /private/fairsoft/build-apr13/lib/root/libCore.so.5.34
#29 0x00007fcbf2a39aad in TApplication::ExecuteFile(char const*, int*, bool) () from
/private/fairsoft/build-apr13/lib/root/libCore.so.5.34
#30 0x00007fcbf2a3886a in TApplication::ProcessLine(char const*, bool, int*) () from
/private/fairsoft/build-apr13/lib/root/libCore.so.5.34
#31 0x00007fcbf2619359 in TRint::Run(bool) () from
/private/fairsoft/build-apr13/lib/root/libRint.so.5.34
#32 0x000000000040112c 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.

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=====
#5 0x00007fcbe7eb76a2 in FairMCPPoint::GetTrackID (this=0x0) at
```

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/private/kumar/pandaroot/base/event/FairMCPoint.h:43
#6 0x00007fcbe270f013 in PndTrkTracking2::Exec (this=0x7fcbe2541010,
opt=0x7fcbe7ec8120 "") at /private/kumar/pandaroot/tracking/PndTrkTracking2.cxx:1180
#7 0x00007fcbf2a277dd in TTask::ExecuteTasks(char const*) () from
/private/fairsoft/build-apr13/lib/root/libCore.so.5.34
#8 0x00007fcbf2a27b11 in TTask::ExecuteTask(char const*) () from
/private/fairsoft/build-apr13/lib/root/libCore.so.5.34
#9 0x00007fcbe7dc012a in FairRunAna::Run (this=0x1488300, Ev_start=0, Ev_end=100000)
at /private/kumar/pandaroot/base/steer/FairRunAna.cxx:461
=====
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Root > Function reco\_complete() busy flag cleared

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