
Subject: new version

Posted by [Gianluigi Boca](#) on Sun, 19 Jun 2011 02:56:56 GMT

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Hi,

I put a new version of

PndSttMvdTracking.cxx and .h

because I discovered some bugs (some subtle, other due to my blindness) that unfortunately lower the efficiency of the Pattern Recognition.

This bugs were in the new 'cleanup' section of the code.

I know it is quite late but, if possible, please the analysers update the code and rerun (you're gonna say : yes, right !)

Gianluigi

Subject: Re: new version

Posted by [Dima Melnychuk](#) on Tue, 21 Jun 2011 12:49:01 GMT

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Hi Gianluigi,

There is still a crash which I have with the latest version of STT reconstruction code.

PROBLEM HAS NO FEASIBLE SOLUTION

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*** Break *** segmentation violation

=====
There was a crash.

This is the entire stack trace of all threads:

=====
#0 0x00002b29555689e5 in waitpid () from /lib/libc.so.6
#1 0x00002b2955508e11 in do_system () from /lib/libc.so.6
#2 0x00002b29531bedc6 in TUnixSystem::StackTrace ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#3 0x00002b29531be69c in TUnixSystem::DispatchSignals ()
from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#4 <signal handler called>
#5 0x00002b2963340e87 in PndSttMvdTracking::Exec (this=0x2b2967ca0010,
opt=0x2b295ce39f00 "")
at /d/panda02/dmelnich/pandaroot/pandaroot/sttmvdtracking/PndSttMvdTrack
ing.cxx:981

```

#6 0x00002b2953145bb0 in TTask::ExecuteTasks ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#7 0x00002b2953144ecb in TTask::ExecuteTask ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#8 0x00002b295cd8554b in FairRunAna::Run (this=0x20fc3f0, Ev_start=0,
    Ev_end=1000)
    at /d/panda02/dmelnich/pandaroot/pandaroot/base/FairRunAna.cxx:272
#9 0x00002b295cddd02a in G__FairDict_883_0_5 (result7=0x7fff76f283d0,
    funcname=0x20f95d0 "", libp=0x7fff76f1d9c0, hash=0)
    at /d/panda02/dmelnich/pandaroot/build_lenny64/base/FairDict.cxx:13242
#10 0x00002b2953950644 in Cint::G__ExceptionWrapper ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#11 0x00002b2953a02560 in G__execute_call ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#12 0x00002b2953a03369 in G__call_cppfunc ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#13 0x00002b29539de645 in G__interpret_func ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#14 0x00002b29539cbe38 in G__getfunction ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#15 0x00002b2953abe63f in G__getstructmem ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#16 0x00002b2953ab7a1e in G__getvariable ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#17 0x00002b295399ef2f in G__getitem ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#18 0x00002b29539a2f5c in G__getexpr ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#19 0x00002b2953a2fbc4 in G__exec_statement ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#20 0x00002b295398af16 in G__exec_tempfile_core ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#21 0x00002b295398b1db in G__exec_tempfile ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#22 0x00002b2953a43099 in G__process_cmd ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCint.so.5.29
#23 0x00002b295317b315 in TCint::ProcessLine ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#24 0x00002b295317a763 in TCint::ProcessLineSynch ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#25 0x00002b29530cff70 in TApplication::ExecuteFile ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#26 0x00002b29530cdab8 in TApplication::ProcessLine ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#27 0x00002b29546ca377 in TRint::Run ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libRint.so.5.29
#28 0x000000000040117d 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.

```
=====
#5 0x00002b2963340e87 in PndSttMvdTracking::Exec (this=0x2b2967ca0010,
    opt=0x2b295ce39f00 "")
    at /d/panda02/dmelnich/pandaroot/pandaroot/sttmvdtracking/PndSttMvdTrack
ing.cxx:981
#6 0x00002b2953145bb0 in TTask::ExecuteTasks ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#7 0x00002b2953144ecb in TTask::ExecuteTask ()
    from /misc/cbmsoft/Lenny64/may11/fairsoft/tools/root/lib/libCore.so.5.29
#8 0x00002b295cd8554b in FairRunAna::Run (this=0x20fc3f0, Ev_start=0,
    Ev_end=1000)
    at /d/panda02/dmelnich/pandaroot/pandaroot/base/FairRunAna.cxx:272
=====
```

Dima

Subject: Re: new version
Posted by [Gianluigi Boca](#) on Wed, 22 Jun 2011 22:43:43 GMT
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hi Dima,
try the new version of PndMvdTracking.cxx and .h

I am not sure that solves your bug, but certainly I fixed a memory problem.
Please let me know
Gianluigi
