Subject: Stuck with a segfault in mvd reco
Posted by Ralf Kliemt on Fri, 10 Aug 2007 09:39:45 GMT
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Hi all,

I'm stuck a bit with a seg fault which I don't know where it may come from. It looks as if it has something to do with the framework I/O. Or maybe I just made a stupid mistake.

I committed my last code into rev. 1253.
It appears while doing the reconstruction after running successfully the simulation and the digitization.
I attatched the macros for you to look, what I've done.

Thanks, Ralf.

[color=red]This is the end of my output...[/color]

MvdSimpleHitMaker::PrintParameters()
fpixelCellX: 0.01
fpixelCellY: 0.01
fstripX: 0
fstripY: 0
next loop step local: (0.735,0.205,0) global: (-3.34352,-0.0696125,6.335) - write cluster - end of step.
next loop step local: (0.025,0.195,0) global: (-2.305,-1.70345,8.735) - write cluster - end of step.
next loop step local: (0.025,0.205,0) global: (-2.315,-1.70345,8.735) - write cluster - end of step.
next loop step local: (0.015,0.205,0) global: (-2.315,-1.69345,8.735) - write cluster - end of step.
next loop step local: (0.725,0.215,0) global: (-3.34352,-0.0554704,6.335) - write cluster - end of step.
next loop step local: (0.715,0.215,0) global: (-3.33645,-0.0483993,6.335) - write cluster - end of step.
next loop step local: (0.715,0.225,0) global: (-3.34352,-0.0413283,6.335) - write cluster - end of step.
next loop step local: (0.705,0.225,0) global: (-3.33645,-0.0342572,6.335) - write cluster - end of step.
next loop step local: (0.705,0.235,0) global: (-3.34352,-0.0271861,6.335) - write cluster - end of step.
next loop step local: (0.695,0.235,0) global: (-3.33645,-0.0201151,6.335) - write cluster - end of step.
next loop step local: (0.695,0.245,0) global: (-3.34352,-0.013044,6.335) - write cluster - end of step.
next loop step local: (0.685,0.245,0) global: (-3.33645,-0.00597293,6.335) - write cluster - end of step.
next loop step local: (0.685,0.255,0) global: (-3.34352,0.00109814,6.335) - write cluster

- end of step.
next loop step local: (0.675,0.255,0) global: (-3.33645,0.0081692,6.335) - write cluster
- end of step.
next loop step local: (0.675,0.265,0) global: (-3.34352,0.0152403,6.335) - write cluster
- end of step.
next loop step local: (0.665,0.265,0) global: (-3.33645,0.0223113,6.335) - write cluster
- end of step.
next loop step local: (0.715,0.225,0) global: (-3.34352,-0.0413283,6.335) - write cluster
- end of step.
next loop step local: (0.515,0.145,0) global: (-1.17173,1.965,1.94354) - write cluster
- end of step.
next loop step local: (0.515,0.135,0) global: (-1.17173,1.975,1.94354) - write cluster
- end of step.
next loop step local: (0.515,0.125,0) global: (-1.17173,1.985,1.94354) - write cluster
- end of step.
next loop step local: (0.515,0.115,0) global: (-1.17173,1.995,1.94354) - write cluster
- end of step.
next loop step local: (0.555,0.365,0) global: (-1.21173,1.745,1.94354) - write cluster
- end of step.
next loop step local: (0.565,0.365,0) global: (-1.22173,1.745,1.94354) - write cluster
- end of step.
next loop step local: (0.565,0.355,0) global: (-1.22173,1.755,1.94354) - write cluster
- end of step.
next loop step local: (0.565,0.345,0) global: (-1.22173,1.765,1.94354) - write cluster
- end of step.
next loop step local: (0.185,0.755,0) global: (0.668322,3.51068,6.335) - write cluster
- end of step.
next loop step local: (0.185,0.745,0) global: (0.675393,3.51775,6.335) - write cluster
- end of step.
next loop step local: (0.175,0.745,0) global: (0.668322,3.52482,6.335) - write cluster
- end of step.
next loop step local: (0.165,0.745,0) global: (0.661251,3.53189,6.335) - write cluster
- end of step.
- end of MvdSimpleHitMaker::makeHits().

Program received signal SIGFPE, Arithmetic exception.
[Switching to Thread -1236777264 (LWP 30074)]
0xb78cf5fa in TStreamerInfo::WriteBufferAux<char**> () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCore.so.5.14
(gdb) bt
#0 0xb78cf5fa in TStreamerInfo::WriteBufferAux<char**> () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCore.so.5.14
#1 0xb78c9d95 in TStreamerInfo::WriteBufferClones () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCore.so.5.14
#2 0xb6a14200 in TBranchElement::FillLeaves () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libTree.so.5.14
#3 0xb6a0d779 in TBranch::Fill () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libTree.so.5.14
#4 0xb6a13028 in TBranchElement::Fill () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libTree.so.5.14
#5 0xb6a1314a in TBranchElement::Fill () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libTree.so.5.14

#6 0xb6a48b43 in TTree::Fill () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libTree.so.5.14
#7 0xb34f7726 in CbmRootManager::Fill (this=0x8c8aa60) at
/home/ralfk/Pandaroot/pandaroot/base/CbmRootManager.cxx:330
#8 0xb34fe593 in CbmRunAna::Run (this=0x8c8a910, Ev_start=0, Ev_end=10000) at
/home/ralfk/Pandaroot/pandaroot/base/CbmRunAna.cxx:143
#9 0xb3534591 in G__CbmDict_764_0_8 (result7=0xbff9e534, funcname=0x8c83068 "\001",
libp=0xbff9aa90, hash=0)
    at /home/ralfk/Pandaroot/build/base/CbmDict.cxx:9056
#10 0xb72d962d in Cint::G__ExceptionWrapper () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#11 0xb73af956 in G__call_cppfunc () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#12 0xb7388a5b in G__interpret_func () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#13 0xb737c6d4 in G__getfunction () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#14 0xb74173bd in G__getstructmem () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#15 0xb740e819 in G__getvariable () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#16 0xb73534c2 in G__getitem () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#17 0xb73637dd in G__getexpr () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#18 0xb73bdb07 in G__exec_function () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#19 0xb73c2fa0 in G__exec_statement () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#20 0xb733fc07 in G__exec_tempfile_core () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#21 0xb733fe87 in G__exec_tempfile () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#22 0xb73cfbfa in G__process_cmd () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCint.so.5.14
#23 0xb786bc14 in TCint::ProcessLine () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCore.so.5.14
#24 0xb78663a4 in TCint::ProcessLineSynch () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCore.so.5.14
#25 0xb7799271 in TApplication::ProcessFile () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCore.so.5.14
#26 0xb7795a6e in TApplication::ProcessLine () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libCore.so.5.14
#27 0xb67522f3 in TRint::Run () from
/data_hilbert/Software/fairroot/cbmsoft/tools/root/lib/libRint.so.5.14
#28 0x08048dd0 in main ()
(gdb) list
1   <<C++-namespaces>>: No such file or directory.
        in <<C++-namespaces>>
(gdb)

File Attachments

1) runsim.C, downloaded 679 times
2) rundigi.C, downloaded 625 times
3) runreco.C, downloaded 619 times