
Subject: TpcGemTask bug??

Posted by [StefanoSpataro](#) on Thu, 28 Aug 2008 17:23:49 GMT

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Dear all,

I have found something...strange!

I run macro/lhetrack/run_sim_tpccombi.C"(10,1)". No problem at all. Then run_track_tpccombi.C. No problem.

Now, let's try with DPM.

I run macro/lhetrack/run_sim_tpccombi_dpm.C"(10,4)". No problem at all. Then run_track_tpccombi.C... it seems no problem, but when I type ".q", before exiting I have the following message:

```
*** glibc detected *** double free or corruption (out): 0x0aa8ad40
```

From gdb I get the following:

Toggle Spoiler

Macro finished succesfully.

Output file is tracks_tpccombi.root

Parameter file is params_tpccombi.root

Real time 2.06677 s, CPU time 2.05 s

```
root [1] .q
```

```
*** glibc detected *** double free or corruption (out): 0x09993dd8 ***
```

Program received signal SIGABRT, Aborted.

[Switching to Thread -1208883520 (LWP 17127)]

0x001fd7a2 in _dl_sysinfo_int80 () from /lib/ld-linux.so.2

(gdb) bt

#0 0x001fd7a2 in _dl_sysinfo_int80 () from /lib/ld-linux.so.2

#1 0x027fd815 in raise () from /lib/tls/libc.so.6

#2 0x027ff279 in abort () from /lib/tls/libc.so.6

#3 0x02831cca in __libc_message () from /lib/tls/libc.so.6

#4 0x0283855f in _int_free () from /lib/tls/libc.so.6

#5 0x0283893a in free () from /lib/tls/libc.so.6

#6 0x05e92041 in operator delete () from /usr/lib/libstdc++.so.6

#7 0x00adabed in TStorage::ObjectDealloc () from

/home/spataro/july08/tools/root/lib/libCore.so.5.20

#8 0x00abb187 in TObject::operator delete () from
/home/spataro/july08/tools/root/lib/libCore.so.5.20

#9 0x0730e07c in TF1::~TF1\$delete () from /home/spataro/july08/tools/root/lib/libHist.so

#10 0x00b1a13c in TCollection::GarbageCollect () from

/home/spataro/july08/tools/root/lib/libCore.so.5.20

#11 0x00b1e15d in TList::Delete () from /home/spataro/july08/tools/root/lib/libCore.so.5.20

#12 0x00ad2e14 in TROOT::~TROOT () from

/home/spataro/july08/tools/root/lib/libCore.so.5.20

#13 0x00ad302f in __tcf_0 () from /home/spataro/july08/tools/root/lib/libCore.so.5.20

#14 0x02800858 in __cxa_finalize () from /lib/tls/libc.so.6

#15 0x00a905ca in __do_global_dtors_aux () from /home/spataro/july08/tools/root/lib/libCore.so.5.20
#16 0x00ded732 in _fini () from /home/spataro/july08/tools/root/lib/libCore.so.5.20
#17 0x00209df7 in _dl_fini () from /lib/ld-linux.so.2
#18 0x02800597 in exit () from /lib/tls/libc.so.6
#19 0x00b6056b in TUnixSystem::Exit () from /home/spataro/july08/tools/root/lib/libCore.so.5.20
#20 0x0011e18d in TRint::Terminate () from /home/spataro/july08/tools/root/lib/libRint.so.5.20
#21 0x00a94513 in TApplication::ProcessLine () from /home/spataro/july08/tools/root/lib/libCore.so.5.20
#22 0x0011de8a in TRint::HandleTermInput () from /home/spataro/july08/tools/root/lib/libRint.so.5.20
#23 0x0011c4e0 in TTermInputHandler::Notify () from /home/spataro/july08/tools/root/lib/libRint.so.5.20
#24 0x0011e77e in TTermInputHandler::ReadNotify () from /home/spataro/july08/tools/root/lib/libRint.so.5.20
#25 0x00b5edfa in TUnixSystem::CheckDescriptors () from /home/spataro/july08/tools/root/lib/libCore.so.5.20
#26 0x00b6301c in TUnixSystem::DispatchOneEvent () from /home/spataro/july08/tools/root/lib/libCore.so.5.20
#27 0x00aec8b4 in TSystem::InnerLoop () from /home/spataro/july08/tools/root/lib/libCore.so.5.20
#28 0x00aec67b in TSystem::Run () from /home/spataro/july08/tools/root/lib/libCore.so.5.20
#29 0x00a94afa in TApplication::Run () from /home/spataro/july08/tools/root/lib/libCore.so.5.20
#30 0x0011cc5e in TRint::Run () from /home/spataro/july08/tools/root/lib/libRint.so.5.20
#31 0x08048d5a in main ()

I have tried also on lxi007.gsi.de machine, exactly the same message (but this time a break).

I have started to comment out all the tasks, and finally I managed to find that the task PndTpcGemTask is giving the problem, or better when I activate it the error appear.

Any chance to know what is going wrong?

Subject: Re: TpcGemTask bug??

Posted by [Stefano Spataro](#) on Tue, 03 Feb 2009 12:16:24 GMT

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From revision 4479 the bug is fixed.

Simply a TF1 in PndTpcGem was set as static and not as a pointer TF1*.
