Subject: [WONTFIX] PID Error
Posted by Simon Reiter on Mon, 27 May 2013 09:48:19 GMT
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Hi,
I simulated background with Geant 3 and DPM at 15GeV. I checked the log but just found an error in my pid log. The scripts are very similar like ones of the tutorial.
Quote: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  0x00002b9affab2b86 in mzlift_ ()
   from /home/panda/sep12build/lib/libgeant321.so
#6  0x00002b9affa9c60c in mzbook_ ()
   from /home/panda/sep12build/lib/libgeant321.so
#7  0x00002b9aff835397 in g3zinit_ ()
   from /home/panda/sep12build/lib/libgeant321.so
#8  0x00002b9affb69cfa in g3cinit_ ()
   from /home/panda/sep12build/lib/libgeant321.so
#9  0x00002b9affb77f3c in TGeant3::TGeant3(char const*, int) ()
   from /home/panda/sep12build/lib/libgeant321.so
#10 0x00002b9affb8537c in TGeant3TGeo::TGeant3TGeo(char const*, int) ()
   from /home/panda/sep12build/lib/libgeant321.so
===========================================================
```

I got simlar errors in multiple jobs. I simulated 300 jobs each with 1500 events and got that error in 4 jobs. Another time I simulated 200 jobs each with 2000 events and also got that error in 4 jobs. I attached the full pid log for further information.

Greetings Simon

PS: running on sep12 externals and apr13 release

File Attachments

1) 1500-pid.log, downloaded 519 times

Subject: Re: PID Error
Posted by StefanoSpataro on Mon, 27 May 2013 09:56:22 GMT
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```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
locf_() Warning: changing base from 2b9b00000000 to 2b9a00000000!!!
This may result in program crash or incorrect results
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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locf_() Warning: changing base from 2b9b00000000 to 2b9a00000000!!!
This may result in program crash or incorrect results
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

!!!

These are fortran problems with libraries, we cannot fix them. They appear seldom, in such cases the only thing to do is to rerun the macro. In theory it is fine just to rerun the pid, you don't need to start from sim.

Subject: Re: PID Error
Posted by Florian Uhlig on Mon, 27 May 2013 10:05:11 GMT
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Hi Simon,

this has to do with the fact that Geant3 was written as a 32bit program and the code was adapted to 64bit. The error you see has to do with this adaption. If the fortran/geant3/zebra memory manager detects an incorrect memory layout the program is terminated immediately. This is done to avoid crashes during runtime or even worse changing the transport results.

As Stefano pointed out you can easily run the same simulation again and you will not see any problems.

Ciao

Florian

Subject: Re: PID Error
Posted by Simon Reiter on Mon, 27 May 2013 10:35:21 GMT
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Oh, ok.
Thank you
