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Subject: Re: External packages Jan10 is now available  
Posted by [Stefano Spataro](#) on Wed, 20 Jan 2010 17:10:33 GMT  
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Hi,  
I have simulated 500 events with psi' -> J/psi pi+ pi-.  
At event 238 I have a crash in FairGeaneUtil:

Toggle Spoiler

```
*** Event # 238
===== PndLheHitsMaker =====
Total number of hits for tracking: 397
Total number of tracks in TPC: 7
    Good tracks in TPC: 6
Working with 397 hits
found 5 tracks
finder : Real Time = 424.54 seconds Cpu Time = 205.01 seconds
===== PndLheTrackFitter =====
Number of tracks for fitting 5
*** S/R ERPROP IERR = 2

*** Error in subr. TRPROP 2 called bysubr. ERPROP

*** S/R ERPROP IERR = 2

*** Error in subr. TRPROP 2 called bysubr. ERPROP

*** S/R ERPROP IERR = 2

*** Error in subr. TRPROP 2 called bysubr. ERPROP

*** S/R ERPROP IERR = 2

*** Error in subr. TRPROP 2 called bysubr. ERPROP

*** Break *** floating point exception
```

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=====
There was a crash (#7 0x009793b0 in SigHandler []).
This is the entire stack trace of all threads:
=====
```

```

#0 0x0075f7a2 in _dl_sysinfo_int80 () from /lib/ld-linux.so.2
#1 0x04564f13 in __waitpid_nocancel () from /lib/tls/libc.so.6
#2 0x0450e7b9 in do_system () from /lib/tls/libc.so.6
#3 0x0072b98d in system () from /lib/tls/libpthread.so.0
#4 0x00976c87 in TUnixSystem::Exec ()
    from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#5 0x0097cb66 in TUnixSystem::StackTrace ()
    from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#6 0x00979322 in TUnixSystem::DispatchSignals ()
    from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#7 0x009793b0 in SigHandler ()
    from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#8 0x0097862d in sighandler ()
    from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#9 <signal handler called>
#10 0x00ee4e9d in TMath::Sqrt ()
    from /home/spataro/jan10/tools/root/lib/libMathCore.so.5.26
#11 0x01d819c9 in FairGeaneUtil::FromSDToSC (this=0xbff2d600, PD=0xbff2d7c0,
    RD=0xbff2d740, H=0xbff2d6f0, CH=1, SPU=1, DJ=0xbff2d6a0, DK=0xbff2d610,
    IERR=
0xbff2d5d4, PC=0xbff2d5e0, RC=0xbff2d550)
    at /home/spataro/jan10/pandaroot/trackbase/FairGeaneUtil.cxx:808
#12 0x01d7b418 in FairTrackParH::FairTrackParH ()
    at /home/spataro/jan10/pandaroot/trackbase/FairGeaneUtil.h:77
#13 0x03b9b58b in PndLheKalmanTask::Exec (this=0x97864c0, opt=0x5004918 "")
    at /home/spataro/jan10/pandaroot/lhetrack/PndLheKalmanTask.cxx:206
#14 0x00902925 in TTask::ExecuteTasks ()
    from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#15 0x00902721 in TTask::ExecuteTask ()
    from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#16 0x04fa5cbe in FairRunAna::Run (this=0x8febcc0, Ev_start=0, Ev_end=1000)
    at /home/spataro/jan10/pandaroot/base/FairRunAna.cxx:268
#17 0x04fddd4c in G__FairDict_669_0_5 (result7=0xbff3a210,
    funcname=0x937e300 "\001", libp=0xbff2fbc0, hash=0)
    at /home/spataro/jan10/cbuild/base/FairDict.cxx:9093
#18 0x0014f1d3 in Cint::G__ExceptionWrapper ()
    from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#19 0x001e7aa0 in G__execute_call ()
    from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#20 0x001e7db2 in G__call_cppfunc ()
    from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#21 0x001c98f3 in G__interpret_func ()
    from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#22 0x001b5f28 in G__getfunction ()
    from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#23 0x0029f339 in G__getstructmem ()
    from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#24 0x00296f76 in G__getvariable ()
    from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#25 0x00198ee6 in G__getitem ()
    from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#26 0x0019d089 in G__getexpr ()

```

```

from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#27 0x0021b3ed in G__exec_statement ()
from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#28 0x00186854 in G__exec_tempfile_core ()
from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#29 0x00187bd3 in G__exec_tempfile ()
from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#30 0x00229c92 in G__process_cmd ()
from /home/spataro/jan10/tools/root/lib/libCint.so.5.26
#31 0x00964b57 in TCint::ProcessLine ()
from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#32 0x00964cd8 in TCint::ProcessLineSynch ()
from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#33 0x008993b0 in TApplication::ExecuteFile ()
from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#34 0x00899673 in TApplication::ProcessFile ()
from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#35 0x0089798f in TApplication::ProcessLine ()
from /home/spataro/jan10/tools/root/lib/libCore.so.5.26
#36 0x006d1481 in TRint::Run ()
from /home/spataro/jan10/tools/root/lib/libRint.so.5.26
#37 0x08048d5a 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.

```

=====
#10 0x00ee4e9d in TMath::Sqrt ()
from /home/spataro/jan10/tools/root/lib/libMathCore.so.5.26
#11 0x01d819c9 in FairGeaneUtil::FromSDToSC (this=0xbff2d600, PD=0xbff2d7c0,
RD=0xbff2d740, H=0xbff2d6f0, CH=1, SPU=1, DJ=0xbff2d6a0, DK=0xbff2d610,
IERR=
0xbff2d5d4, PC=0xbff2d5e0, RC=0xbff2d550)
at /home/spataro/jan10/pandaroot/trackbase/FairGeaneUtil.cxx:808
#12 0x01d7b418 in FairTrackParH::FairTrackParH ()
at /home/spataro/jan10/pandaroot/trackbase/FairGeaneUtil.h:77
#13 0x03b9b58b in PndLheKalmanTask::Exec (this=0x97864c0, opt=0x5004918 "")
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#14 0x00902925 in TTask::ExecuteTasks ()
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#15 0x00902721 in TTask::ExecuteTask ()
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#16 0x04fa5cbe in FairRunAna::Run (this=0x8febcc0, Ev_start=0, Ev_end=1000)
at /home/spataro/jan10/pandaroot/base/FairRunAna.cxx:268
=====

```

Root > .q

[spataro@hal pid]\$

But I think the problem comes from LheKalmanTask, and not from Geane. Tomorrow I will try to investigate about.

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