
Subject: Ftf direct crashes during initialisation

Posted by [Klaus Götzen](#) on Thu, 19 Feb 2015 10:47:35 GMT

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Hi,

I just tried to run Ftf with pandaroot trunk 27083, external packages jul14p3. I use the line

PndFtfDirect *Ftf = new PndFtfDirect("anti_proton", "G4_H", 1, "ftfp", Mom, 123456);
in my macro and get at runtime the error

```
=====
#10 operator[] (__n=<optimized out>, this=<optimized out>) at
/usr/include/c++/4.4/bits/stl_vector.h:626
#11 G4Nucleus::ChooseParameters (this=0x2b30878, aMaterial=0x0) at
/tmp/fairsoft_jul14p3/transport/geant4/source/processes/hadronic/util/src/G4Nucleus.cc:165
#12 0x00007f24a7bc8d01 in G4Nucleus::G4Nucleus (this=0x2969d20, aMaterial=0x9) at
/tmp/fairsoft_jul14p3/transport/geant4/source/processes/hadronic/util/src/G4Nucleus.cc:93
#13 0x00007f24a9c840df in Test30VSecondaryGenerator::Test30VSecondaryGenerator
(this=0x2b30850, hadi=0x2b12c00, mat=0x2b04150) at
/u/kgoetzen/pandaroot/trunk4/pgenerators/FtfEvtGen/Test30VSecondaryGenerator.cxx:60
#14 0x00007f24a9c80a4c in Test30Physics::GetProcess (this=0x2990660, gen_name=...,
part=0x29661c0, mat=0x2b04150) at
/u/kgoetzen/pandaroot/trunk4/pgenerators/FtfEvtGen/Test30Physics.cxx:166
#15 0x00007f24a5d0617e in PndFtfDirect::Setup (this=0x2969af0) at
/u/kgoetzen/pandaroot/trunk4/pgenerators/FtfEvtGen/PndFtfDirect.cxx:508
#16 0x00007f24a5d050a6 in PndFtfDirect::PndFtfDirect (this=0x2969af0, particle=0x28af768
"anti_proton", material=0x2861078 "G4_H", targetA=1, generator=0x295f948 "ftfp",
mom=6.2316999435424805, seed=123456) at
/u/kgoetzen/pandaroot/trunk4/pgenerators/FtfEvtGen/PndFtfDirect.cxx:309
=====
```

Any idea what's going wrong?

Best,
Klaus

Subject: Re: Ftf direct crashes during initialisation

Posted by [Stefano Spataro](#) on Fri, 20 Feb 2015 13:26:01 GMT

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Does it work with apr13? Maybe geant4 had some installation problem at GSI? Unfortunately I cannot check in a short time.

Subject: Re: Ftf direct crashes during initialisation
Posted by [Klaus Götzen](#) on Mon, 23 Feb 2015 08:05:21 GMT
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Hi,

I think it failed with apr13, which triggered me to do this whole update trunk, FairRoot and externals issues...

Best,
Klaus

Subject: Re: Ftf direct crashes during initialisation
Posted by [Stefano Spataro](#) on Sat, 07 Mar 2015 09:59:36 GMT
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Is it working now, after the recent updates?

Subject: Re: Ftf direct crashes during initialisation
Posted by [Klaus Götzen](#) on Mon, 09 Mar 2015 06:55:39 GMT
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Hi Stefano,

I tried now to run the standard macro/run/sim_complete.C with FTF enable, (i.e. full sim setup), but I still get exactly the same error. Revision info is:

URL: <https://subversion.gsi.de/fairroot/pandaroot/trunk>
Repository Root: <https://subversion.gsi.de/fairroot>
Repository UUID: 0381ead4-6506-0410-b988-94b70fbc4730
Revision: 27180
Node Kind: directory
Schedule: normal
Last Changed Author: ralfk
Last Changed Rev: 27176
Last Changed Date: 2015-03-06 08:24:20 +0100 (Fr, 06 Mär 2015)

\$SIMPATH = /cvmfs/fairroot.gsi.de/fairsoft/jul14p3
\$FAIRROOTPATH = /hera/panda/kgoetzen/pandaroot/buildFairRoot

Best,
Klaus

Subject: Re: Ftf direct crashes during initialisation
Posted by [Stefano Spataro](#) on Mon, 09 Mar 2015 07:25:04 GMT
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Did you try the standalone version?

Subject: Re: Ftf direct crashes during initialisation
Posted by [Ralf Kliemt](#) on Mon, 09 Mar 2015 10:19:41 GMT
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Hello,

There was a bug during initializing variables at a constructor. It is fixed and things are running again at my machines.

Ralf

Subject: Re: Ftf direct crashes during initialisation
Posted by [Klaus Götzen](#) on Mon, 09 Mar 2015 12:46:06 GMT
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Hi,

thanks, now it works!

Best,
Klaus
