Subject: Re: Program received signal SIGFPE, Arithmetic exception
Posted by Johan Messchendorp on Thu, 20 Mar 2008 23:03:57 GMT
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Dear all,

I can confirm Arek's message. For the new fairsoft package with Pandaroot rev.2360, I get the following on a Debian etch machine, 32 bit (vmware, gcc 4.1.2, run_sim1.C with TGeant4):

```
-----------------------------------------------------
Index : 23     used in the geometry : Yes     recalculation needed : No
 Material : DCHmixture
 Range cuts        :  gamma 1 mm     e- 1 mm     e+ 1 mm
 Energy thresholds :  gamma 990 eV     e- 990 eV     e+ 990 eV
 Region(s) which use this couple :
    DefaultRegionForTheWorld

======================================================================

### Run 0 start.


>>>>>>>>>>>>>>>>>>>>new event
-I CbmPrimaryGenerator: 10 primary tracks from vertex (0, 0, 0)
>>> Event 0
tof volume 14 2212
Hit in fullname /cave_0/tofB01_0/tof02_0/tof07_0/

 *** Break *** floating point exception
Using host libthread_db library "/lib/tls/i686/cmov/libthread_db.so.1".
Attaching to program: /proc/9002/exe, process 9002
[Thread debugging using libthread_db enabled]
[New Thread -1223895360 (LWP 9002)]
Failed to read a valid object file image from memory.
0xb7f1d410 in ?? ()
#1  0x00000001 in ?? ()
#2  0x00000000 in ?? ()
Root >
-------------------------------------------------
```

It works however on a 64 bit configuration (same machine, same gcc compiler). Furthermore, 64-bit MAC OS X 10.5 also works fine....

So, it looks to me like a problem related to 32-bit machines?!?

Johan.