
Subject: Re: Segfault in PndMvdStripClusterBuilder

Posted by [Johan Messchendorp](#) on Mon, 25 Jan 2010 19:07:27 GMT

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Hi Ralf,

I was just playing with your macros, and I already got stuck with the digitization macro. It crashes with a floating point exception, which can easily be traced back to line 14 in PndMvdCalcFePixel.cxx where there is a division by zero (fNrows=0). My educated guess would be that something goes wrong with reading/writing the digitisation parameters (mvd.digi.par?). Could this be related somehow with your segfault.... ?!?

Greetings,

Johan.

```
Quote: Frontend type name is      = APV25
Clusterfinder Mode                = 0
Clusterfinder Search Radius: Channels = 2
Clusterfinder Search Radius: Time   = 0
Top/Bottom Charge correlation cut   = 2.50941e-319
-I- PndMvdNoiseProducer: Initiaisation successfull
```

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

```
=====
There was a crash.
```

This is the entire stack trace of all threads:

```
=====
#0  0x00007fd93192d5e5 in waitpid () from /lib64/libc.so.6
#1  0x00007fd9318c9861 in ?? () from /lib64/libc.so.6
#2  0x00007fd9339fd64a in TUnixSystem::StackTrace() ()
    from /opt/exp_soft/panda/fairroot/fairsoft_jan10/tools/root/lib/libCore.so.5. 26
#3  0x00007fd9339fe045 in TUnixSystem::DispatchSignals(ESignals) ()
    from /opt/exp_soft/panda/fairroot/fairsoft_jan10/tools/root/lib/libCore.so.5. 26
#4  <signal handler called>
#5  0x00007fd9277efec8 in PndMvdCalcFePixel::CalcFEHits (this=0x7fff32bc7910)
    at /home/panda/pandaroot/trunk/mvd/MvdDigi/PndMvdCalcFePixel.cxx:13
#6  0x00007fd9277fbb2f in PndMvdCalcFePixel::CalcFEHits (this=0x7fff32bc7910,
SensorHits=
    {<std::_Vector_base<PndMvdPixel, std::allocator<PndMvdPixel> >> = {_M_impl =
{<std::allocator<PndMvdPixel>> = {<__gnu_cxx::new_allocator<PndMvdPixel>> = {<No data
fields>}, <No data fields>}, _M_start = 0x7fff32bc7b90, _M_finish = 0x7fff32bc7910,
_M_end_of_storage = 0xdb0210}}, <No data fields>}}) at
/home/panda/pandaroot/trunk/mvd/MvdDigi/PndMvdCalcFePixel.h:48
=====
```
