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: Intialisation 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