
Subject: Re: Segfault in PndMvdStripClusterBuilder
Posted by [Elwin Dijck](#) on Mon, 25 Jan 2010 22:05:41 GMT
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I don't know whether the errors are related, but I took a look at the segfault in runMvdReco.C. The crash occurs in PndMvdStripClusterBuilder::AddDigi(), where just some data is put into some nested std::maps. The stack trace showed that the memory of the map was somehow corrupted and the reason for this is that a PndMvdStripClusterBuilder object is used after it is deleted. Some extra debug output:

```
0xbfa10f0->AddDigi called for detName:
"1_1/40_0/66_1/65_1/63_1/62_5/54_3/52_4/49_1/48_1/"
0xbfa10f0->AddDigi called for detName:
"1_1/40_0/66_1/65_1/63_1/62_5/54_3/52_4/49_1/48_1/"
0xbfa10f0->AddDigi called for detName:
"1_1/40_0/66_1/65_1/63_1/62_5/54_3/52_4/49_1/48_1/"
0xbfa10f0->AddDigi called for detName:
"1_1/40_0/66_1/64_1/62_15/54_3/52_4/49_1/48_1/"
0xbfa10f0->AddDigi called for detName:
"1_1/40_0/66_1/64_1/62_15/54_3/52_4/49_1/48_1/"
0xbfa10f0->AddDigi called for detName: "1_1/40_0/66_1/65_1/64_1/62_21/61_1/60_1/57_1/"
0xbfa10f0->DESTRUCTOR CALLED!
0xbfa10f0->AddDigi called for detName:
"1_1/40_0/66_1/65_1/63_1/62_6/61_1/60_1/57_1/56_1/"
```

```
*** Break *** segmentation violation
Generating stack trace... etc.
```

I don't know why this happens exactly, but it looks like a bug in PndMvdStripClusterTask::Exec() from where AddDigi() is called.

Regards,
Elwin Dijck
