Subject: Reading of nonexistent objects
Posted by Ralf Kliemt on Tue, 27 Jan 2009 10:48:49 GMT
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Hi all,

I try to run the PndMicroWriter and face the following issue. If there is no "Track" TClonesArray then the writer intends to use the "LhePidTrack" TClonesArray.
Unfortunately the framework recieves a segfault at ioman->GetObject("Track"); (the object is not existent). So the it does not work like it is intended.
I think once we could try to get an object and end the run with an adequate error message.

The code sniplet:
Toggle Spoiler

```
  // Get input array
  fTrArray = (TClonesArray*) ioman->GetObject("Track");
  if ( ! fTrArray) {
    cout << "-W- PndMicroWriter::Init: "
  << "No Track array!" << endl;
    fTrArray=new TClonesArray("Track");

    //return kERROR;
  } else    fStoreTrack=true;
```

The gdb output of the thing is:
Toggle Spoiler Inside the Init function****

```
Program received signal SIGSEGV, Segmentation fault.
[Switching to Thread -1229109552 (LWP 13643)]
0xb4014ca6 in CbmRootManager::ActivateBranch (this=0x86ff6d8, BrName=0xb2c96f44
"Track")
    at /home/ralfk/Pandaroot/pandaroot/base/CbmRootManager.cxx:474
474             fObj2[fNObj] = fold->FindObjectAny(BrName);
(gdb) bt
#0  0xb4014ca6 in CbmRootManager::ActivateBranch (this=0x86ff6d8, BrName=0xb2c96f44
"Track")
    at /home/ralfk/Pandaroot/pandaroot/base/CbmRootManager.cxx:474
#1  0xb4014eee in CbmRootManager::GetObject (this=0x86ff6d8, BrName=0xb2c96f44
"Track")
    at /home/ralfk/Pandaroot/pandaroot/base/CbmRootManager.cxx:517
#2  0xb2c884ec in PndMicroWriter::Init (this=0x8957610) at
/home/ralfk/Pandaroot/pandaroot/tutorials/anatask/PndMicroWriter.cxx:100
#3  0xb40214fb in CbmTask::InitTask (this=0x8957610) at
/home/ralfk/Pandaroot/pandaroot/base/CbmTask.cxx:41
```

Greetings from Dresden,

Ralf.