
Subject: [FIXED] crash in reco macro (timebased simulation)
Posted by [Jens Sören Lange](#) on Thu, 08 Aug 2013 07:17:44 GMT
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Dear all,

I am trying to run the MVD example macros for timebased simulation following the Torino tutorial (by Tobias)

<https://indico.gsi.de/getFile.py/access?sessionId=9&resId=1&materialId=1&confId=1602>

sep12 external packages and apr13 release

pandaroot/apr13/macro/mvd/TimeOrderedSim

```
> root -b run_sim_sttcombi_dpm.C  
runs fine for 10 events.
```

```
> root -b run_digi_sttcombi_timebased.C  
crashes with
```

```
---  
DigiFileName: Mvd_Sim_timebased_digi.root  
FairRootManager::OpenOutFile("Mvd_Sim_timebased_digi.root")  
Error in <TFile::TFile>: file Mvd_Sim_timebased_par.root does not exist  
-E- Could not open input file Mvd_Sim_timebased_par.root  
Fatal in <FairParRootFileIo::open>: Could not open input file  
aborting
```

```
---  
I solved this (trivially) by
```

```
---  
cp Mvd_Sim_par.root Mvd_Sim_timebased_par.root  
cp Mvd_Sim.root Mvd_Sim_timebased.root  
root -b run_digi_sttcombi_timebased.C // (again)
```

```
---  
and then the digi macro runs o.k.
```

```
---
```

But then for the reco macro I get the following crash.

```
-bash-3.2$ root -b run_reco_sttcombi_timebased.C
```

```
*****  
*                               *  
*   W E L C O M E to R O O T   *  
*                               *  
* Version  5.34/01   13 July 2012 *  
*                               *  
* You are welcome to visit our Web site *  
*   http://root.cern.ch           *  
*                               *  
*****
```

```
ROOT 5.34/01 (tags/v5-34-01@45034, Aug 04 2013, 16:03:00 on linuxx8664gcc)
```

CINT/ROOT C/C++ Interpreter version 5.18.00, July 2, 2010

Type ? for help. Commands must be C++ statements.

Enclose multiple statements between { }.

root [0]

Processing run_reco_sttcombi_timebased.C...

Error: Can't call PndFileNameCreator::GetDigiFileName(false) in current scope

run_reco_sttcombi_timebased.C:18:

Possible candidates are...

(in PndFileNameCreator)

/home/soeren/backup/panda/cbuild/lib/libgeneralTools.so -1:-1 0 public: string

PndFileNameCreator::GetDigiFileName(string addon="",bool cut=false);

Error: non class,struct,union object GetDigiFileName(false) used with . or ->

run_reco_sttcombi_timebased.C:18:

*** Interpreter error recovered ***

The problem seems to be just the way the digi filename is done:

```
TString MCFFile = "Mvd_Sim_timebased.root";
PndFileNameCreator creator(MCFFile.Data());
TString DigiFile = creator.GetDigiFileName(false).c_str();
```

Of course I can change it "by hand" but has this maybe ever been working?

thanks in advance, Soeren
