
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  t o  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 MCFile = "Mvd_Sim_timebased.root";
```

```
PndFileNameCreator creator(MCFile.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
