
Subject: Re: problems with last r14811
Posted by [Dmitry Morozov](#) on Wed, 07 Mar 2012 09:35:03 GMT
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Stefano,
the first crash is dissapeared, thanks.

The second crash in digi is still there. Here is the output:

```
[freez@freez-fs feb12]$ root run_digi_sttcombi.C
```

```
*****  
*                                     *  
*   W E L C O M E to R O O T   *  
*                                     *  
* Version  5.32/00  2 December 2011  *  
*                                     *  
* You are welcome to visit our Web site *  
*   http://root.cern.ch   *  
*                                     *  
*****
```

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_digi_sttcombi.C...

Warning in <TStreamerInfo::BuildCheck>:

The StreamerInfo of class PndEmc read from file params_sttcombi.root has the same version (=1) as the active class but a different checksum.

You should update the version to ClassDef(PndEmc,2).

Do not try to write objects with the current class definition, the files will not be readable.

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 1 of class 'PndEmc' is missing from the on-file layout version 1:

```
Int_t geomVersion; //
```

Info in (PndGeoHandling::Instance): Making a new instance using the framework.

Info in <PndSdsHybridHitProducer::PndSdsHybridHitProducer>: MVD Hybrid Hit Producer created, Parameters will be taken from RTDB

[INFO] The input consists out of the following trees and files:

[INFO] - cbmsim

[INFO] - points_sttcombi.root

[INFO] Parameter and input file are available, Assure that basic info is there for the run!

[INFO] The number of entries in chain is 10

[INFO] Branch: EventHeader. not found in Tree

[INFO] Branch: EventHeader. not found in Tree

[INFO] No event Header was found!!!

[INFO] Branch: EventHeader. not found in Tree

[INFO] Branch: EventHeader. not found in Tree

initialisation for run id 1506293656

Error in <TBufferFile::CheckByteCount>: object of class PndEmc read too many bytes: 309 instead of 305

Warning in <TBufferFile::CheckByteCount>: PndEmc::Streamer() not in sync with data on file params_sttcombi.root, fix Streamer()

Info in <TGeoManager::TGeoManager>: Geometry Geometry, default geometry created

Warning in <TGeoManager::Init>: Deleting previous geometry: Geometry/default geometry

Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100

Info in <TGeoManager::CloseGeometry>: Geometry loaded from file...

Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave

Info in <TGeoManager::Voxelize>: Voxelizing...

Info in <TGeoManager::CloseGeometry>: 2015817 nodes/ 5738 volume UID's in FAIR geometry

Info in <TGeoManager::CloseGeometry>: -----modeler ready-----

Container FairBaseParSet initialized from ROOT file.

-l container name PndGeoSttPar

Info in <PndMvdStripHitProducer::SetParContainers()>: The container names list contains 10 entries

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDPixelDigiPar

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDStripDigiParRect

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDStripDigiParTrap

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDStripDigiParTD

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDStripDigiParTS

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDPixelTotDigiPar

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDStripTotDigiParRect

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDStripTotDigiParTrap

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDStripTotDigiParTD

Info in <PndMvdStripHitProducer::SetParContainers()>: MVDStripTotDigiParTS

Info in <PndMvdStripClusterTask::SetParContainers()>: The container names list contains 10 entries

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDPixelDigiPar

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDStripDigiParRect

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDStripDigiParTrap

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDStripDigiParTD

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDStripDigiParTS

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDPixelTotDigiPar

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDStripTotDigiParRect

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDStripTotDigiParTrap

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDStripTotDigiParTD

Info in <PndMvdStripClusterTask::SetParContainers()>: MVDStripTotDigiParTS

-l container name PndEmcGeoPar

-l container name PndEmcDigiPar

-l container name PndEmcRecoPar

pndgeoftspar: prima

-l container name PndGeoFtsPar

dopo#####

initialisation for run id 1506293656

Container PndGeoSttPar initialized from ROOT file.
 Container PndSensorNamePar initialized from ROOT file.
 MVDPixelDigiPar initialized from Ascii file
 MVDPixelTotDigiPar initialized from Ascii file
 MVDStripDigiParRect initialized from Ascii file
 MVDStripDigiParTrap initialized from Ascii file
 MVDStripDigiParTD initialized from Ascii file
 MVDStripDigiParTS initialized from Ascii file
 MVDStripTotDigiParRect initialized from Ascii file
 MVDStripTotDigiParTrap initialized from Ascii file
 MVDStripTotDigiParTD initialized from Ascii file
 MVDStripTotDigiParTS initialized from Ascii file
 Container PndEmcGeoPar initialized from ROOT file.
 Container PndEmcDigiPar initialized from ROOT file.
 PndEmcRecoPar initialized from Ascii file
 [ERROR] init() PndMdtRecoPar not initialized
 Gem_Disk1_Gem1_Sensor_kapton type 0 has 786 front and 4250 back channels
 Gem_Disk1_Gem6_Sensor_kapton type 2 has 4750 front and 9000 back channels
 Gem_Disk2_Gem1_Sensor_kapton type 0 has 786 front and 5350 back channels
 Gem_Disk2_Gem6_Sensor_kapton type 2 has 5850 front and 11200 back channels
 Gem_Disk3_Gem1_Sensor_kapton type 0 has 786 front and 7150 back channels
 Gem_Disk3_Gem6_Sensor_kapton type 2 has 7650 front and 14800 back channels
 PndGemDetectors initialized from Ascii file

*** Break *** segmentation violation

=====

There was a crash (kSigSegmentationViolation).
This is the entire stack trace of all threads:

=====

```
#0 0x00000035416bd3be in waitpid () from /lib64/libc.so.6
#1 0x000000354164210e in do_system () from /lib64/libc.so.6
#2 0x00007f65ba1e92d2 in TUnixSystem::Exec (this=0x18f6c10, shellcmd=0xce3bf40
"/home/freez/fairsoft_jan12/tools/root/etc/gdb-backtrace.sh 7729 1>&2") at
/home/freez/fairsoft_jan12/tools/root/core/unix/src/TUnixSystem.cxx:2058
#3 0x00007f65ba1e9b2f in TUnixSystem::StackTrace (this=0x18f6c10) at
/home/freez/fairsoft_jan12/tools/root/core/unix/src/TUnixSystem.cxx:2306
#4 0x00007f65ba1e752b in TUnixSystem::DispatchSignals (this=0x18f6c10,
sig=kSigSegmentationViolation) at
/home/freez/fairsoft_jan12/tools/root/core/unix/src/TUnixSystem.cxx:1184
#5 0x00007f65ba1e54f9 in SigHandler (sig=kSigSegmentationViolation) at
/home/freez/fairsoft_jan12/tools/root/core/unix/src/TUnixSystem.cxx:367
#6 0x00007f65ba1ed034 in sighandler (sig=11) at
/home/freez/fairsoft_jan12/tools/root/core/unix/src/TUnixSystem.cxx:3588
#7 0x00007f65ba21d87a in textinput::TerminalConfigUnix::HandleSignal
(this=0x7f65ba9c2260, signum=11) at
/home/freez/fairsoft_jan12/tools/root/core/textinput/src/textinput/TerminalConfigUnix.cpp:96
#8 0x00007f65ba21d5a9 in (anonymous namespace)::TerminalConfigUnix__handleSignal
```

(signum=11) at
/home/freez/fairsoft_jan12/tools/root/core/textinput/src/textinput/TerminalConfigUnix.cpp:36
#9 <signal handler called>
#10 0x00007f65ba954fb0 in vtable for TObjLink () from
/home/freez/fairsoft_jan12/tools/root/lib/libCore.so.5.32
#11 0x00007f65ba49d04a in ROOT::delete_TObjArray (p=0x83afa30) at
core/cont/src/G__Cont.cxx:3574
#12 0x00007f65ba1dca81 in TClass::Destructor (this=0x265e1c0, obj=0x83afa30,
dtorOnly=false) at /home/freez/fairsoft_jan12/tools/root/core/meta/src/TClass.cxx:4048
#13 0x00007f65b80bafdd in TBufferFile::ReadFastArray (this=0x9a68a90, start=0x83af8c0,
cl=0x265e1c0, n=1, isPreAlloc=false, streamer=0x0, onFileClass=0x0) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TBufferFile.cxx:1533
#14 0x00007f65b80d3eaf in TStreamerInfo::ReadBuffer<char*> (this=0x2825110, b=..., arr=
0x7fff708aa590, first=2, narr=1, eoffset=0, arrayMode=0) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TStreamerInfoReadBuffer.cxx:1094
#15 0x00007f65b8020a76 in TStreamerInfoActions::GenericReadAction (buf=...,
addr=0x83af800, config=0x9a6bd60) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TStreamerInfoActions.cxx:114
#16 0x00007f65b80283d3 in TStreamerInfoActions::TConfiguredAction::operator()
(this=0x9a68920, buffer=..., object=0x83af800) at include/TStreamerInfoActions.h:95
#17 0x00007f65b80c0e4e in TBufferFile::ApplySequence (this=0x9a68a90, sequence=...,
obj=0x83af800) at /home/freez/fairsoft_jan12/tools/root/io/io/src/TBufferFile.cxx:3699
#18 0x00007f65b80c0a1a in TBufferFile::ReadClassBuffer (this=0x9a68a90, cl=0x2a22870,
pointer=0x83af800, onFileClass=0x0) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TBufferFile.cxx:3628
#19 0x00007f65ac109bc9 in PndGeoFtsPar::Streamer (this=0x83af800, R(bool)=...) at
/home/freez/pandaroot_build/fts/PndFtsDict.cxx:918
#20 0x00007f65b80658a3 in TKey::Read (this=0x276fc80, obj=0x83af800) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TKey.cxx:1153
#21 0x00007f65b17ef4ae in FairDetParRootFileIo::read (this=0x19335e0, pPar=0x83af800) at
/home/freez/pandaroot/trunk/parbase/FairDetParRootFileIo.cxx:57
#22 0x00007f65b17f23ab in FairGenericParRootFileIo::init (this=0x19335e0, pPar=0x83af800)
at /home/freez/pandaroot/trunk/parbase/FairGenericParRootFileIo.cxx:27
#23 0x00007f65b17f2f1f in FairParGenericSet::init (this=0x83af800, inp=0x270e4a0) at
/home/freez/pandaroot/trunk/parbase/FairParGenericSet.cxx:37
#24 0x00007f65b17f44a5 in FairParSet::init (this=0x83af800) at
/home/freez/pandaroot/trunk/parbase/FairParSet.cxx:47
#25 0x00007f65b17fb5af in FairRuntimeDb::initContainers (this=0x2350ee0) at
/home/freez/pandaroot/trunk/parbase/FairRuntimeDb.cxx:431
#26 0x00007f65b17fb0f0 in FairRuntimeDb::initContainers (this=0x2350ee0,
runId=1506293656, refId=-1, fileName=0x7f65b1552f10 "") at
/home/freez/pandaroot/trunk/parbase/FairRuntimeDb.cxx:380
#27 0x00007f65b14818b1 in FairRunAna::Init (this=0x191ee40) at
/home/freez/pandaroot/trunk/base/FairRunAna.cxx:212
#28 0x00007f65b14f08d2 in G__FairDict_982_0_4 (result7=0x7fff708b6540,
funcname=0x1918680 "", libp=0x7fff708abb30, hash=0) at
/home/freez/pandaroot_build/base/FairDict.cxx:15265
#29 0x00007f65b951dde1 in Cint::G__ExceptionWrapper (funcp=0x7f65b14f08a4
<G__FairDict_982_0_4(G__value*, char const*, G__param*, int)>, result7=0x7fff708b6540,
funcname=0x1918680 "", libp=0x7fff708abb30, hash=0) at cint/src/Api.cxx:393
#30 0x00007f65b95edb57 in G__execute_call (result7=0x7fff708b6540, libp=0x7fff708abb30,
ifunc=0x1918680, ifn=0) at cint/cint/src/newlink.cxx:2406

#31 0x00007f65b95ee4fc in G__call_cppfunc (result7=0x7fff708b6540, libp=0x7fff708abb30, ifunc=0x1918680, ifn=0) at cint/cint/src/newlink.cxx:2610
#32 0x00007f65b95ccfad in G__interpret_func (result7=0x7fff708b6540, funcname=0x190c3a0 "Init", libp=0x7fff708abb30, hash=404, p_ifunc=0x1918680, funcmatch=1, memfunc_flag=1) at cint/cint/src/ifunc.cxx:5795
#33 0x00007f65b953b9e7 in G__getfunction (item=0x1907f06 "Init()", known3=0x7fff708b9ef4, memfunc_flag=1) at cint/cint/src/func.cxx:2665
#34 0x00007f65b96a8411 in G__getstructmem (store_var_type=112, varname=..., membername=0x1907f06 "Init()", memnamesize=2147483647, tagname=0x1908720 "fRun", known2=0x7fff708b9ef4, varglobal=0x7f65b99ec960, objptr=2) at cint/cint/src/var.cxx:6818
#35 0x00007f65b9698cb4 in G__getvariable (item=0x1907f00 "fRun->Init()", known=0x7fff708b9ef4, varglobal=0x7f65b99ec960, varlocal=0x0) at cint/cint/src/var.cxx:5404
#36 0x00007f65b96cc928 in G__getitem (item=0x1907f00 "fRun->Init()") at cint/cint/src/expr.cxx:1906
#37 0x00007f65b96ca11b in G__getexpr (expression=0x19311b0 "fRun->Init()") at cint/cint/src/expr.cxx:1488
#38 0x00007f65b9656047 in G__exec_function (statement=..., pc=0x7fff708bc86c, piout=0x7fff708bc868, plargestep=0x7fff708bc860, presult=0x7fff708bc6d0) at cint/cint/src/parse.cxx:645
#39 0x00007f65b9667209 in G__exec_statement (mparen=0x7fff708bcb9c) at cint/cint/src/parse.cxx:7372
#40 0x00007f65b95d797c in G__exec_tempfile_core (file=0x19309a0 "/home/freez/pandaroot/trunk/tutorials/feb12/./run_digi_sttcombi.C", fp=0x0) at cint/cint/src/debug.cxx:265
#41 0x00007f65b95d9412 in G__exec_tempfile (file=0x19309a0 "/home/freez/pandaroot/trunk/tutorials/feb12/./run_digi_sttcombi.C") at cint/cint/src/debug.cxx:813
#42 0x00007f65b9559d51 in G__process_cmd (line=0x1edc100 ".x /home/freez/pandaroot/trunk/tutorials/feb12/./run_digi_sttcombi.C", prompt=0x18fb5f8 "", more=0x18fb5f0, err=0x7fff708bdf0c, rslt=0x7fff708bde60) at cint/cint/src/pause.cxx:3182
#43 0x00007f65ba1a5896 in TCint::ProcessLine (this=0x18fb5b0, line=0x1edc100 ".x /home/freez/pandaroot/trunk/tutorials/feb12/./run_digi_sttcombi.C", error=0x7fff708c0d14) at /home/freez/fairsoft_jan12/tools/root/core/meta/src/TCint.cxx:538
#44 0x00007f65ba1a5f0d in TCint::ProcessLineSynch (this=0x18fb5b0, line=0x1edc100 ".x /home/freez/pandaroot/trunk/tutorials/feb12/./run_digi_sttcombi.C", error=0x7fff708c0d14) at /home/freez/fairsoft_jan12/tools/root/core/meta/src/TCint.cxx:617
#45 0x00007f65ba17439a in TApplication::ExecuteFile (file=0x7fff708becb3 "run_digi_sttcombi.C", error=0x7fff708c0d14, keep=false) at /home/freez/fairsoft_jan12/tools/root/core/base/src/TApplication.cxx:1023
#46 0x00007f65ba173c18 in TApplication::ProcessFile (this=0x1a3e7c0, file=0x7fff708becb3 "run_digi_sttcombi.C", error=0x7fff708c0d14, keep=false) at /home/freez/fairsoft_jan12/tools/root/core/base/src/TApplication.cxx:899
#47 0x00007f65ba173aa4 in TApplication::ProcessLine (this=0x1a3e7c0, line=0x7fff708becb0 ".x run_digi_sttcombi.C", sync=false, err=0x7fff708c0d14) at /home/freez/fairsoft_jan12/tools/root/core/base/src/TApplication.cxx:872
#48 0x00007f65b926369c in TRint::Run (this=0x1a3e7c0, retrn=false) at /home/freez/fairsoft_jan12/tools/root/core/rint/src/TRint.cxx:418
#49 0x00000000004011f5 in main (argc=1, argv=0x7fff708c0ea8) at /home/freez/fairsoft_jan12/tools/root/main/src/rmain.cxx:29
=====

The lines below might hint at the cause of the crash.
If they do not help you then please submit a bug report at
<http://root.cern.ch/bugs>. Please post the ENTIRE stack trace
from above as an attachment in addition to anything else
that might help us fixing this issue.

```
=====
#10 0x00007f65ba954fb0 in vtable for TObjLink () from
/home/freez/fairsoft_jan12/tools/root/lib/libCore.so.5.32
#11 0x00007f65ba49d04a in ROOT::delete_TObjArray (p=0x83afa30) at
core/cont/src/G__Cont.cxx:3574
#12 0x00007f65ba1dca81 in TClass::Destructor (this=0x265e1c0, obj=0x83afa30,
dtorOnly=false) at /home/freez/fairsoft_jan12/tools/root/core/meta/src/TClass.cxx:4048
#13 0x00007f65b80bafdd in TBufferFile::ReadFastArray (this=0x9a68a90, start=0x83af8c0,
cl=0x265e1c0, n=1, isPreAlloc=false, streamer=0x0, onFileClass=0x0) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TBufferFile.cxx:1533
#14 0x00007f65b80d3eaf in TStreamerInfo::ReadBuffer<char**> (this=0x2825110, b=..., arr=
0x7ff708aa590, first=2, narr=1, eoffset=0, arrayMode=0) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TStreamerInfoReadBuffer.cxx:1094
#15 0x00007f65b8020a76 in TStreamerInfoActions::GenericReadAction (buf=...,
addr=0x83af800, config=0x9a6bd60) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TStreamerInfoActions.cxx:114
#16 0x00007f65b80283d3 in TStreamerInfoActions::TConfiguredAction::operator()
(this=0x9a68920, buffer=..., object=0x83af800) at include/TStreamerInfoActions.h:95
#17 0x00007f65b80c0e4e in TBufferFile::ApplySequence (this=0x9a68a90, sequence=...,
obj=0x83af800) at /home/freez/fairsoft_jan12/tools/root/io/io/src/TBufferFile.cxx:3699
#18 0x00007f65b80c0a1a in TBufferFile::ReadClassBuffer (this=0x9a68a90, cl=0x2a22870,
pointer=0x83af800, onFileClass=0x0) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TBufferFile.cxx:3628
#19 0x00007f65ac109bc9 in PndGeoFtsPar::Streamer (this=0x83af800, R(bool)=...) at
/home/freez/pandaroot_build/fts/PndFtsDict.cxx:918
#20 0x00007f65b80658a3 in TKey::Read (this=0x276fc80, obj=0x83af800) at
/home/freez/fairsoft_jan12/tools/root/io/io/src/TKey.cxx:1153
#21 0x00007f65b17ef4ae in FairDetParRootFilelo::read (this=0x19335e0, pPar=0x83af800) at
/home/freez/pandaroot/trunk/parbase/FairDetParRootFilelo.cxx:57
#22 0x00007f65b17f23ab in FairGenericParRootFilelo::init (this=0x19335e0, pPar=0x83af800)
at /home/freez/pandaroot/trunk/parbase/FairGenericParRootFilelo.cxx:27
#23 0x00007f65b17f2f1f in FairParGenericSet::init (this=0x83af800, inp=0x270e4a0) at
/home/freez/pandaroot/trunk/parbase/FairParGenericSet.cxx:37
#24 0x00007f65b17f44a5 in FairParSet::init (this=0x83af800) at
/home/freez/pandaroot/trunk/parbase/FairParSet.cxx:47
#25 0x00007f65b17fb5af in FairRuntimeDb::initContainers (this=0x2350ee0) at
/home/freez/pandaroot/trunk/parbase/FairRuntimeDb.cxx:431
#26 0x00007f65b17fb0f0 in FairRuntimeDb::initContainers (this=0x2350ee0,
runId=1506293656, refId=-1, fileName=0x7f65b1552f10 "") at
/home/freez/pandaroot/trunk/parbase/FairRuntimeDb.cxx:380
#27 0x00007f65b14818b1 in FairRunAna::Init (this=0x191ee40) at
/home/freez/pandaroot/trunk/base/FairRunAna.cxx:212
=====
```

Root >

This is Fedora 16, 64 bit, jan12 externals.

I guess problem is in:

"Error in <TBufferFile::CheckByteCount>: object of class PndEmc read too many bytes: 309 instead of 305"

Dmitry
