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Subject: Crash in FairTSBufferFunctional

Posted by [Susanna Costanza](#) on Wed, 29 Jun 2011 10:04:36 GMT

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Dear all,

after updating the code, when running the run\_digi\_sttcombi.C macro in macro/pid, I have the following error message:

-E- FairTSBufferFunctional::FairTSBufferFunctional Branch MVDPixelDigis does not exist!

\*\*\* Break \*\*\* segmentation violation

=====  
There was a crash (kSigSegmentationViolation).

This is the entire stack trace of all threads:

=====  
#0 0x009317a2 in \_dl\_sysinfo\_int80 () from /lib/ld-linux.so.2  
#1 0x04c70533 in \_\_waitpid\_nocancel () from /lib/tls/libc.so.6  
#2 0x04c19869 in do\_system () from /lib/tls/libc.so.6  
#3 0x008dab8d in system () from /lib/tls/libpthread.so.0  
#4 0x003d20cc in TUnixSystem::Exec (this=0x88c0400,  
  shellcmd=0x9091c90 "/home/susanna/fairsoft\_may11/tools/root/etc/gdb-backtrace.sh 21923  
1>&2")  
  at /home/susanna/fairsoft\_may11/tools/root/core/unix/src/TUnixSystem.cxx:2036  
#5 0x003d28bd in TUnixSystem::StackTrace (this=0x88c0400)  
  at /home/susanna/fairsoft\_may11/tools/root/core/unix/src/TUnixSystem.cxx:2265  
#6 0x003d0316 in TUnixSystem::DispatchSignals (this=0x88c0400,  
  sig=kSigSegmentationViolation)  
  at /home/susanna/fairsoft\_may11/tools/root/core/unix/src/TUnixSystem.cxx:1162  
#7 0x003ce111 in SigHandler (sig=kSigSegmentationViolation)  
  at /home/susanna/fairsoft\_may11/tools/root/core/unix/src/TUnixSystem.cxx:362  
#8 0x003d5aec in sighandler (sig=11)  
  at /home/susanna/fairsoft\_may11/tools/root/core/unix/src/TUnixSystem.cxx:3552  
#9 <signal handler called>  
#10 0x0618424e in TBranch::GetEntries (this=0x0) at include/TBranch.h:175  
#11 0x05e72a5f in FairTSBufferFunctional::ReadInNextEntry (this=0x908cfb8)  
  at /home/susanna/pandaroot\_july11/trunk/base/FairTSBufferFunctional.cxx:119  
#12 0x05e7225a in FairTSBufferFunctional::GetData (this=0x908cfb8, parameter=0)  
  at /home/susanna/pandaroot\_july11/trunk/base/FairTSBufferFunctional.cxx:37  
#13 0x05e47b18 in FairRootManager::GetData (this=0x88db598, branchName=  
  { \_vptr.TString = 0x828b88, fRep = {{fLong = {fCap = 17, fSize = 13, fData = 0xd996430  
"MVDPixelDigis"}, fShort = {fSize = 17 '\021', fData = "\000\000\000\r\000\000\0000d\231\r"},  
fRaw = {fWords = {17, 13, 228156464}}}}, static fglsA = 0x917b9a0}, function=0x0,  
parameter=0)  
  at /home/susanna/pandaroot\_july11/trunk/base/FairRootManager.cxx:732  
#14 0x06bf06ee in PndSdsPixelClusterTask::Exec (this=0x92d9d78,  
  opt=0x5ef2069 "")  
  at /home/susanna/pandaroot\_july11/trunk/sds/SdsReco/PndSdsPixelClusterTask.cxx:147  
#15 0x0033b04a in TTask::ExecuteTasks (this=0x92d9ca8, option=0x5ef2069 "")  
  at /home/susanna/fairsoft\_may11/tools/root/core/base/src/TTask.cxx:312

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#16 0x0033b06b in TTask::ExecuteTasks (this=0x88db500, option=0x5ef2069 "")
  at /home/susanna/fairsoft_may11/tools/root/core/base/src/TTask.cxx:314
#17 0x0033ae45 in TTask::ExecuteTask (this=0x88db500, option=0x5ef2069 "")
  at /home/susanna/fairsoft_may11/tools/root/core/base/src/TTask.cxx:275
#18 0x05e5eed8 in FairRunAna::Run (this=0x88db430, Ev_start=0, Ev_end=1000)
  at /home/susanna/pandaroot_july11/trunk/base/FairRunAna.cxx:353
#19 0x05eb512a in G__FairDict_900_0_5 (result7=0xbff16210,
  funcname=0x88d90c8 "", libp=0xbff0bba0, hash=0)
  at /home/susanna/pandaroot_july11/trunk/buildPanda/base/FairDict.cxx:13767
#20 0x009ba29b in Cint::G__ExceptionWrapper (
  funcp=0x5eb5076 <G__FairDict_900_0_5>, result7=0xbff16210,
  funcname=0x88d90c8 "", libp=0xbff0bba0, hash=0)
  at cint/cint/src/Api.cxx:393
#21 0x00a716ae in G__execute_call (result7=0xbff16210, libp=0xbff0bba0,
  ifunc=0x88d90c8, ifn=0) at cint/cint/src/newlink.cxx:2406
#22 0x00a71e28 in G__call_cppfunc (result7=0xbff16210, libp=0xbff0bba0,
  ifunc=0x88d90c8, ifn=0) at cint/cint/src/newlink.cxx:2610
#23 0x00a4f4e2 in G__interpret_func (result7=0xbff16210,
  funcname=0x88ceb78 "Run", libp=0xbff0bba0, hash=309, p_ifunc=0x88d90c8,
  funcmatch=1, memfunc_flag=1) at cint/cint/src/ifunc.cxx:5795
#24 0x00a339ac in G__getfunction (item=0x88cbde6 "Run(0,nEvents)",
  known3=0xbff1948c, memfunc_flag=1) at cint/cint/src/func.cxx:2665
#25 0x00b3df4e in G__getstructmem (store_var_type=112, varname=
0xbff164a0,
  membername=0x88cbde6 "Run(0,nEvents)", memnamesize=2147483647,
  tagname=0x88cc5f0 "fRun", known2=0xbff1948c, varglobal=0xbe9540, objptr=2)
  at cint/cint/src/var.cxx:6804
#26 0x00b31a54 in G__getvariable (item=0x88cbde0 "fRun->Run(0,nEvents)",
  known=0xbff1948c, varglobal=0xbe9540, varlocal=0x0)
  at cint/cint/src/var.cxx:5390
#27 0x00a2671c in G__getitem (item=0x88cbde0 "fRun->Run(0,nEvents)")
  at cint/cint/src/expr.cxx:1906
#28 0x00a24ae4 in G__getexpr (expression=0x88e9c20 "fRun->Run(0,nEvents)")
  at cint/cint/src/expr.cxx:1488
#29 0x00a9c956 in G__exec_function (statement=
0xbff1b770, pc=0xbff1b7ac,
  piout=0xbff1b7a4, plargestep=0xbff1b794, presult=0xbff1b740)
  at cint/cint/src/parse.cxx:645
#30 0x00aaaa4e in G__exec_statement (mparen=0xbff1b820)
  at cint/cint/src/parse.cxx:7372
#31 0x009fd9 in G__exec_tempfile_core (
  file=0x88e9418 "/home/susanna/pandaroot_july11/trunk/macro/pid/./run_digi_sttcombi.C",
  fp=0x0) at cint/cint/src/debug.cxx:265
#32 0x009ff6f4 in G__exec_tempfile (
  file=0x88e9418 "/home/susanna/pandaroot_july11/trunk/macro/pid/./run_digi_sttcombi.C") at
  cint/cint/src/debug.cxx:813
#33 0x00ab82e5 in G__process_cmd (
  line=0x8c58880 ".x
/home/susanna/pandaroot_july11/trunk/macro/pid/./run_digi_sttcombi.C", prompt=0x88c341c
  "", more=0x88c3414, err=0xbff1c9fc,
  rslt=0xbff1ca00) at cint/cint/src/pause.cxx:3170
#34 0x0037ed52 in TCint::ProcessLine (this=0x88c33e8,

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line=0x8c58880 ".x
/home/susanna/pandaroot_july11/trunk/macro/pid/./run_digi_sttcombi.C", error=0xbff1f644)
  at /home/susanna/fairsoft_may11/tools/root/core/meta/src/TCint.cxx:522
#35 0x0037f1e7 in TCint::ProcessLineSynch (this=0x88c33e8,
  line=0x8c58880 ".x
/home/susanna/pandaroot_july11/trunk/macro/pid/./run_digi_sttcombi.C", error=0xbff1f644)
  at /home/susanna/fairsoft_may11/tools/root/core/meta/src/TCint.cxx:601
#36 0x002ad8dd in TApplication::ExecuteFile (
  file=0xbff1d5e3 "run_digi_sttcombi.C", error=0xbff1f644, keep=false)
  at /home/susanna/fairsoft_may11/tools/root/core/base/src/TApplication.cxx:1035
#37 0x002ad068 in TApplication::ProcessFile (this=0x8988b18,
  file=0xbff1d5e3 "run_digi_sttcombi.C", error=0xbff1f644, keep=false)
  at /home/susanna/fairsoft_may11/tools/root/core/base/src/TApplication.cxx:911
#38 0x002acf88 in TApplication::ProcessLine (this=0x8988b18,
  line=0xbff1d5e0 ".x run_digi_sttcombi.C", sync=false, err=0xbff1f644)
  at /home/susanna/fairsoft_may11/tools/root/core/base/src/TApplication.cxx:884
#39 0x001206b4 in TRint::Run (this=0x8988b18, retrn=false)
  at /home/susanna/fairsoft_may11/tools/root/core/rint/src/TRint.cxx:402
#40 0x08048ebb in main (argc=1, argv=0xbff1f724)
  at /home/susanna/fairsoft_may11/tools/root/main/src/rmain.cxx:29
=====

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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.

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=====
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#11 0x05e72a5f in FairTSBufferFunctional::ReadInNextEntry (this=0x908cfb8)
  at /home/susanna/pandaroot_july11/trunk/base/FairTSBufferFunctional.cxx:119
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  "MVDPixelDigis"}, fShort = {fSize = 17 '021', fData = "00000000r000000000d231r"}, fRaw =
  {fWords = {17, 13, 228156464}}}}, static fglsA = 0x917b9a0), function=0x0, parameter=0)
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=====

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Does anyone have any idea?  
Thank you,  
Susanna

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