
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

```

#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,

```

```

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
=====

```

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 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 = "00000000r000000000d231r"}, 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
#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
=====

```

Does anyone have any idea?
Thank you,
Susanna

Subject: Re: Crash in FairTSBufferFunctional
Posted by [Stefano Spataro](#) on Wed, 29 Jun 2011 10:28:45 GMT
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I have just tried with the latest trunk, 200 dpm events, and I can see the error message:

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

but at least it does not crash in my computer.

Subject: Re: Crash in FairTSBufferFunctional
Posted by [Tobias Stockmanns](#) on Wed, 29 Jun 2011 10:44:45 GMT
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Hi Stefano,

which macros have you used?

Cheers,

Tobias

Subject: Re: Crash in FairTSBufferFunctional
Posted by [Tobias Stockmanns](#) on Wed, 29 Jun 2011 10:58:45 GMT
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Problem is fixed in release 12511.

Cheers,

Tobias

Subject: Re: Crash in FairTSBufferFunctional
Posted by [Susanna Costanza](#) on Wed, 29 Jun 2011 16:55:23 GMT
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Hi Tobias,
with the rev r12516 I don't have the crash anymore, but now I don't have any MVD track...!

Do you have any suggestion?

Thank you,
Susanna

Subject: Re: Crash in FairTSBufferFunctional
Posted by [Tobias Stockmanns](#) on Wed, 29 Jun 2011 19:01:45 GMT
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Hi Susanna,

do you have any reconstructed hits from the MVD? If yes, are they at the right position? You can check this easily with the eventDisplay.

Cheers,

Tobias

Subject: Re: Crash in FairTSBufferFunctional
Posted by [Susanna Costanza](#) on Thu, 30 Jun 2011 08:01:33 GMT
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Hi Tobias,

I have pixel and strip hits only for the first track.

Their position is the following:

- PIXEL hits (trk number, hit number, X, Y, Z)

```
0 * 0 * -2.257589 * 1.5035667 * 1.9800000 *
0 * 1 * -3.979701 * 2.6121165 * 3.4686405 *
0 * 2 * -3.105000 * 3.7149999 * 15.220000 *
0 * 3 * -4.746740 * -0.503832 * -3.474999 *
0 * 4 * 2.3050000 * -2.805000 * 6.9800000 *
0 * 5 * 2.6449999 * -2.964999 * 22.219999 *
0 * 6 * -5.295000 * -1.664999 * 7.4200000 *
0 * 7 * 4.0050001 * -0.335000 * 21.780000 *
0 * 8 * -1.904999 * -0.904999 * 6.9800000 *
```

- STRIP hits

```
0 * 0 * -7.724247 * 4.8897495 * 6.6544752 *
0 * 1 * -10.51684 * 6.4908652 * 8.9866571 *
```

Ciao,
Susanna

Subject: Re: Crash in FairTSBufferFunctional
Posted by [Stefano Spataro](#) on Thu, 30 Jun 2011 11:50:25 GMT
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Hi Tobias,

I run 100 pipi events.

I have seen that in the simulation I have 883 MVDPpints, but after digitizatio I have 23 Pixed Digis and 20 Strip Digis, 14 Pixel Hits and 5 Strip Hits, we are missing a lot.

Meanwhile, the code produces a lot of messages in the init:

Toggle Spoiler

sensor out rad is 45

[INFO] The number of entries in chain is 100

Event Number 0

EventTime: 0

EventTime: 0

0 : Time 0 PndSdsDigiPixel in: 273 FE: 3 Col/Row 0/100 charge 40 e timestamp 0, from Point(s) 0

0 : Time 0 PndSdsDigiPixel in: 273 FE: 3 Col/Row 0/101 charge 280 e timestamp 0, from Point(s) 0

0 : Time 0 PndSdsDigiPixel in: 273 FE: 3 Col/Row 0/102 charge 220 e timestamp 0, from Point(s) 0

0 : Time 0 PndSdsDigiPixel in: 8 FE: 5 Col/Row 83/73 charge 240 e timestamp 0, from Point(s) 1

0 : Time 0 PndSdsDigiPixel in: 8 FE: 5 Col/Row 84/73 charge 240 e timestamp 0, from Point(s) 1

0 : Time 0 PndSdsDigiPixel in: 329 FE: 1 Col/Row 70/9 charge 120 e timestamp 0, from Point(s) 5

0 : Time 0 PndSdsDigiPixel in: 329 FE: 1 Col/Row 70/10 charge 280 e timestamp 0, from Point(s) 5

0 : Time 0 PndSdsDigiPixel in: 330 FE: 1 Col/Row 97/107 charge 280 e timestamp 0, from Point(s) 6

0 : Time 0 PndSdsDigiPixel in: 330 FE: 1 Col/Row 97/108 charge 240 e timestamp 0, from Point(s) 6

0 : Time 0 PndSdsDigiPixel in: 343 FE: 1 Col/Row 54/54 charge 160 e timestamp 0, from Point(s) 7

0 : Time 0 PndSdsDigiPixel in: 343 FE: 1 Col/Row 54/55 charge 200 e timestamp 0, from Point(s) 7

0 : Time 0 PndSdsDigiPixel in: 343 FE: 1 Col/Row 55/54 charge 60 e timestamp 0, from Point(s) 7

0 : Time 0 PndSdsDigiPixel in: 343 FE: 1 Col/Row 55/55 charge 100 e timestamp 0, from Point(s) 7

0 : Time 0 PndSdsDigiPixel in: 347 FE: 2 Col/Row 22/1 charge 120 e timestamp 0, from

Point(s) 8

0 : Time 0 PndSdsDigiPixel in: 347 FE: 2 Col/Row 22/2 charge 280 e timestamp 0, from Point(s) 8

0 : Time 0 PndSdsDigiPixel in: 53 FE: 3 Col/Row 67/88 charge 0 e timestamp 0, from Point(s) -1

0 : Time 0 PndSdsDigiPixel in: 330 FE: 1 Col/Row 59/46 charge 20 e timestamp 0, from Point(s) -1

0 : Time 0 PndSdsDigiPixel in: 9 FE: 2 Col/Row 7/11 charge 0 e timestamp 0, from Point(s) -1

0 : Time 0 PndSdsDigiPixel in: 36 FE: 0 Col/Row 57/12 charge 20 e timestamp 0, from Point(s) -1

0 : Time 0 PndSdsDigiPixel in: 293 FE: 0 Col/Row 26/67 charge 0 e timestamp 0, from Point(s) -1

0 : Time 0 PndSdsDigiPixel in: 34 FE: 3 Col/Row 79/52 charge 0 e timestamp 0, from Point(s) -1

0 : Time 0 PndSdsDigiPixel in: 288 FE: 5 Col/Row 43/114 charge 20 e timestamp 0, from Point(s) -1

0 : Time 0 PndSdsDigiPixel in: 44 FE: 3 Col/Row 24/75 charge 0 e timestamp 0, from Point(s) -1

-I- PndSdsChargeWeightedPixelMapping TimeStamp: 0

-I- PndSdsPixelClusterTask::Exec(): Calculated Hit:

PndSdsHit in 273 at

(2.18827, -1.045, 2.42) cm with 22637.3 e at Time: 0, Cluster No. 0, mc point id = 0

hit.GetClusterIndex() 0

hit.GetBotIndex() -1

hit.GetRefIndex() 0

hit.GetNDigiHits() 3

hit.GetCharge() 22637.3(8.17208e-05 GeV)

hit.GetSensorID() 273

Error values in FairHit part: (dx,dy,dz) = (0.00288675,0.00288675,0.0057735)

-I- PndSdsChargeWeightedPixelMapping TimeStamp: 0

-I- PndSdsPixelClusterTask::Exec(): Calculated Hit:

PndSdsHit in 8 at

(4.78839, -2.13384, 5.32) cm with 20000 e at Time: 0, Cluster No. 1, mc point id = 1

hit.GetClusterIndex() 1

hit.GetBotIndex() -1

hit.GetRefIndex() 1

hit.GetNDigiHits() 2

hit.GetCharge() 20000(7.22e-05 GeV)

hit.GetSensorID() 8

Error values in FairHit part: (dx,dy,dz) = (0.0057735,0.00288675,0.00288675)

-I- PndSdsChargeWeightedPixelMapping TimeStamp: 0

-I- PndSdsPixelClusterTask::Exec(): Calculated Hit:

PndSdsHit in 329 at
 (-1.27265, 0.455, 1.98) cm with 16073.4 e at Time: 0, Cluster No. 2, mc point id = 5
 hit.GetClusterIndex() 2
 hit.GetBotIndex() -1
 hit.GetRefIndex() 5
 hit.GetNDigiHits() 2
 hit.GetCharge() 16073.4(5.8025e-05 GeV)
 hit.GetSensorID() 329
 Error values in FairHit part: (dx,dy,dz) = (0.00288675,0.00288675,0.0057735)
 -I- PndSdsChargeWeightedPixelMapping TimeStamp: 0
 -I- PndSdsPixelClusterTask::Exec(): Calculated Hit:

PndSdsHit in 330 at
 (-2.40051, 0.955, 3.98) cm with 22288.3 e at Time: 0, Cluster No. 3, mc point id = 6
 hit.GetClusterIndex() 3
 hit.GetBotIndex() -1
 hit.GetRefIndex() 6
 hit.GetNDigiHits() 2
 hit.GetCharge() 22288.3(8.04607e-05 GeV)
 hit.GetSensorID() 330
 Error values in FairHit part: (dx,dy,dz) = (0.00288675,0.00288675,0.0057735)
 -I- PndSdsChargeWeightedPixelMapping TimeStamp: 0
 -I- PndSdsPixelClusterTask::Exec(): Calculated Hit:

PndSdsHit in 343 at
 (-4.08911, 1.71765, 6.98) cm with 18279.6 e at Time: 0, Cluster No. 4, mc point id = 7
 hit.GetClusterIndex() 4
 hit.GetBotIndex() -1
 hit.GetRefIndex() 7
 hit.GetNDigiHits() 4
 hit.GetCharge() 18279.6(6.59894e-05 GeV)
 hit.GetSensorID() 343
 Error values in FairHit part: (dx,dy,dz) = (0.00288675,0.00288675,0.0057735)
 -I- PndSdsChargeWeightedPixelMapping TimeStamp: 0
 -I- PndSdsPixelClusterTask::Exec(): Calculated Hit:

PndSdsHit in 347 at
 (-5.77735, 2.495, 9.98) cm with 16073.4 e at Time: 0, Cluster No. 5, mc point id = 8
 hit.GetClusterIndex() 5
 hit.GetBotIndex() -1
 hit.GetRefIndex() 8
 hit.GetNDigiHits() 2
 hit.GetCharge() 16073.4(5.8025e-05 GeV)
 hit.GetSensorID() 347
 Error values in FairHit part: (dx,dy,dz) = (0.00288675,0.00288675,0.0057735)
 -I- PndSdsChargeWeightedPixelMapping TimeStamp: 0
 -I- PndSdsPixelClusterTask::Exec(): Calculated Hit:

PndSdsHit in 53 at
 (-3.02858, -4.28703, 2.955) cm with 1000 e at Time: 0, Cluster No. 6, noise hit without mc point
 hit.GetClusterIndex() 6
 hit.GetBotIndex() -1
 hit.GetRefIndex() -1
 hit.GetNDigiHits() 1
 hit.GetCharge() 1000(3.61e-06 GeV)
 hit.GetSensorID() 53

Error values in FairHit part: (dx,dy,dz) = (0.0057735,0.00288675,0.00288675)
-l- PndSdsChargeWeightedPixelMapping TimeStamp: 0
-l- PndSdsPixelClusterTask::Exec(): Calculated Hit:
PndSdsHit in 330 at
(-3.015, 0.575, 3.98) cm with 1200 e at Time: 0, Cluster No. 7, noise hit without mc poit
hit.GetClusterIndex() 7
hit.GetBotIndex() -1
hit.GetRefIndex() -1
hit.GetNDigiHits() 1
hit.GetCharge() 1200(4.332e-06 GeV)
hit.GetSensorID() 330
Error values in FairHit part: (dx,dy,dz) = (0.00288675,0.00288675,0.0057735)
-l- PndSdsChargeWeightedPixelMapping TimeStamp: 0
-l- PndSdsPixelClusterTask::Exec(): Calculated Hit:
PndSdsHit in 9 at
(3.41582, -3.31885, -5.705) cm with 1000 e at Time: 0, Cluster No. 8, noise hit without mc poit
hit.GetClusterIndex() 8
hit.GetBotIndex() -1
hit.GetRefIndex() -1
hit.GetNDigiHits() 1
hit.GetCharge() 1000(3.61e-06 GeV)
hit.GetSensorID() 9
Error values in FairHit part: (dx,dy,dz) = (0.0057735,0.00288675,0.00288675)
-l- PndSdsChargeWeightedPixelMapping TimeStamp: 0
-l- PndSdsPixelClusterTask::Exec(): Calculated Hit:
PndSdsHit in 36 at
(-2.91144, 4.38046, -7.405) cm with 1200 e at Time: 0, Cluster No. 9, noise hit without mc poit
hit.GetClusterIndex() 9
hit.GetBotIndex() -1
hit.GetRefIndex() -1
hit.GetNDigiHits() 1
hit.GetCharge() 1200(4.332e-06 GeV)
hit.GetSensorID() 36
Error values in FairHit part: (dx,dy,dz) = (0.0057735,0.00288675,0.00288675)
-l- PndSdsChargeWeightedPixelMapping TimeStamp: 0
-l- PndSdsPixelClusterTask::Exec(): Calculated Hit:
PndSdsHit in 293 at
(2.785, 0.335, 10.42) cm with 1000 e at Time: 0, Cluster No. 10, noise hit without mc poit
hit.GetClusterIndex() 10
hit.GetBotIndex() -1
hit.GetRefIndex() -1
hit.GetNDigiHits() 1
hit.GetCharge() 1000(3.61e-06 GeV)
hit.GetSensorID() 293
Error values in FairHit part: (dx,dy,dz) = (0.00288675,0.00288675,0.0057735)
-l- PndSdsChargeWeightedPixelMapping TimeStamp: 0
-l- PndSdsPixelClusterTask::Exec(): Calculated Hit:
PndSdsHit in 34 at
(-1.20437, -5.08124, -3.385) cm with 1000 e at Time: 0, Cluster No. 11, noise hit without mc poit
hit.GetClusterIndex() 11
hit.GetBotIndex() -1

```

hit.GetRefIndex() -1
hit.GetNDigiHits() 1
hit.GetCharge() 1000(3.61e-06 GeV)
hit.GetSensorID() 34
Error values in FairHit part: (dx,dy,dz) = (0.0057735,0.00288675,0.00288675)
-l- PndSdsChargeWeightedPixelMapping TimeStamp: 0
-l- PndSdsPixelClusterTask::Exec(): Calculated Hit:
PndSdsHit in 288 at
(2.315, 0.935, 7.42) cm with 1200 e at Time: 0, Cluster No. 12, noise hit without mc poit
hit.GetClusterIndex() 12
hit.GetBotIndex() -1
hit.GetRefIndex() -1
hit.GetNDigiHits() 1
hit.GetCharge() 1200(4.332e-06 GeV)
hit.GetSensorID() 288
Error values in FairHit part: (dx,dy,dz) = (0.00288675,0.00288675,0.0057735)
-l- PndSdsChargeWeightedPixelMapping TimeStamp: 0
-l- PndSdsPixelClusterTask::Exec(): Calculated Hit:
PndSdsHit in 44 at
(-5.24003, -0.175079, -4.435) cm with 1000 e at Time: 0, Cluster No. 13, noise hit without mc
poit
hit.GetClusterIndex() 13
hit.GetBotIndex() -1
hit.GetRefIndex() -1
hit.GetNDigiHits() 1
hit.GetCharge() 1000(3.61e-06 GeV)
hit.GetSensorID() 44
Error values in FairHit part: (dx,dy,dz) = (0.0057735,0.00288675,0.00288675)
-l- PndSdsStripClusterTask:: fDigiArray->Size(): 20
-l- PndSdsStripClusterTask:: fClusterArray size: 6
-l- PndSdsStripClusterTask:: fClusterArray size: 10
-l- PndSdsStripClusterTask:: fClusterArray size: 10
-l- PndSdsStripClusterTask:: fClusterArray size: 10

```

And at each event I have the following message:

```

EventTime: 0
EventTime: 0
-l- PndSdsStripClusterTask:: fDigiArray->Size(): 0
EMC header: fired crystals= 99, digi= 57, Total energy= 1.70795 [GeV], Reconstructed
clusters= 21, Total energy in clusters= 1.63535 [GeV]
PndFtsHitProducer Exec #####
EventTime: 0
EventTime: 0
-l- PndSdsStripClusterTask:: fDigiArray->Size(): 0
EMC header: fired crystals= 83, digi= 58, Total energy= 2.24424 [GeV], Reconstructed
clusters= 28, Total energy in clusters= 2.21341 [GeV]
PndFtsHitProducer Exec #####
EventTime: 0
EventTime: 0

```

```
-l- PndSdsStripClusterTask:: fDigiArray->Size(): 0
EMC header: fired crystals= 45, digi= 32, Total energy= 1.42629 [GeV], Reconstructed
clusters= 16, Total energy in clusters= 1.40166 [GeV]
PndFtsHitProducer Exec #####
EventTime: 0
EventTime: 0
-l- PndSdsStripClusterTask:: fDigiArray->Size(): 0
EMC header: fired crystals= 62, digi= 43, Total energy= 2.07544 [GeV], Reconstructed
clusters= 13, Total energy in clusters= 2.05008 [GeV]
PndFtsHitProducer Exec #####
EventTime: 0
EventTime: 0
-l- PndSdsStripClusterTask:: fDigiArray->Size(): 0
```

The digiarray size 0 sounds very suspicious.
