
Subject: Problems reading FairMCPoint branch
Posted by [Sverre Dørheim](#) on Fri, 11 May 2012 10:00:57 GMT
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Hello fellow Panda/Fair-rooters

After the changes in FairMCPoint in revision 15280 I get segmentation violation when drawing the members inherited from FairMCPoint with tree draw.

I have reproduced it with FopiROOT(using TpcPoint) and with PandaROOT using STTPoint and other MCpoints available running the tutorial macro from the feb12 as said on the wiki.
root -b 'run_sim_sttcombi_evtgen.C(10, "psi(2S)", "psi2s_jpsi2pi.dec")'

opening the output file and then this causes a crash:

```
tv__tree->Draw("STTPoint.fPy","","", 10, 0);
```

This is true for all members which are inherited from FairMCPoint. When accessing these members through accessors like:

```
tv__tree->Draw("STTPoint.GetPy()","","", 10, 0);
```

All I get is zeros. For some other MCPoints like the MVDPPoint directly drawing the entries, does not crash, but the entries are always zero.

Looping over the same members with python:

```
Rfile = ROOT.TFile.Open("points_sttcombi.root", "read")
tree = Rfile.Get("cbmsim")
for e in tree :
    for point in e.STTPoint :
        hist.Fill(point.GetX())
hist.Draw()
```

Everything seems to work ie. non-zero entries and no crash

Anybody know what to do?

Best regards
Sverre

Stack trace from crash

```
root [1] gROOT->ProcessLine(".x $VMCWORKDIR/gconfig/rootlogon.C");
(int)0
root [2] cbmsim->StartViewer()
File name : points_sttcombi.root
root [3] Info in <TCanvas::MakeDefCanvas>: created default TCanvas with name c1
```

```
*** Break *** segmentation violation
```

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

```
This is the entire stack trace of all threads:
```

```

#0 0xb771c424 in __kernel_vsyscall ()
#1 0xb65ef143 in __waitpid_nocancel ()
    at ../sysdeps/unix/syscall-template.S:82
#2 0xb6590e93 in do_system (line=<value optimized out>)
    at ../sysdeps/posix/system.c:149
#3 0xb66ad40d in system (
    line=0xa319748 " /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/etc/gdb-backtrace.sh 30145 1>&2") at pt-system.c:29
#4 0xb7143639 in TUnixSystem::Exec (this=0x94dc758,
    shellcmd=0xa319748 "
/nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root /etc/gdb-backtrace.sh
30145 1>&2")
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:2058
#5 0xb7143e7a in TUnixSystem::StackTrace (this=0x94dc758)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:2306
#6 0xb714198d in TUnixSystem::DispatchSignals (this=0x94dc758,
    sig=kSigSegmentationViolation)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:1184
#7 0xb713f9c5 in SigHandler (sig=kSigSegmentationViolation)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:367
#8 0xb71471ad in sighandler (sig=11)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:3588
#9 0xb7178300 in textinput::TerminalConfigUnix::HandleSignal (
    this=0xb76dab60, signum=11)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/textinput/src/textinput/TerminalConfigUnix.cpp:96
#10 0xb7177e32 in TerminalConfigUnix__handleSignal (signum=11)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/textinput/src/textinput/TerminalConfigUnix.cpp:36
#11 <signal handler called>
#12 0xb5fa35de in TStreamerInfoActions::ConvertBasicType<float, double> (
    buf=..., addr=0xa3149c8, config=0xa289380)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TStreamerInfoActions.cxx:649
#13 0xb5fa57bb in TStreamerInfoActions::VectorPtrLooper<&(int
TStreamerInfoActions::ConvertBasicType<float, double>(TBuffer&, void*,
TStreamerInfoActions::TConfiguration const*))> (buf=..., start=0xa2b3728, end=0xa2b3924,
config=0xa289380)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TStreamerInfoActions.cxx:1008
#14 0xb5f41eda in TStreamerInfoActions::TConfiguredAction::operator() (
    this=0xa289368, buffer=..., start_collection=0xa2b3728,
    end_collection=0xa2b3924) at include/TStreamerInfoActions.h:99
#15 0xb5f40248 in TBufferFile::ApplySequenceVecPtr (this=0xa30c7b0,
    sequence=..., start_collection=0xa2b3728, end_collection=0xa2b3924)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TBufferFile.cxx:3728

```

```

#16 0xb569053f in TBranchElement::ReadLeavesClonesMember (this=0x9f435a0,
    b=...)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranchElement.cxx:3776
#17 0xb567c324 in TBranch::GetEntry (this=0x9f435a0, entry=1, getall=0)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranch.cxx:1274
#18 0xb568b2b4 in TBranchElement::GetEntry (this=0x9f435a0, entry=1, getall=0)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranchElement.cxx:2226
#19 0xb062ff4e in R__LoadBranch (br=0x9f435a0, entry=1, quickLoad=true)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreeFormula.cxx:99
#20 0xb0640c4b in TTreeFormula::EvalInstance (this=0xa259f90, instance=0,
    stringStackArg=0x0)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreeFormula.cxx:3873
#21 0xb0627c79 in TSelectorDraw::ProcessFillMultiple (this=0x9fc6508, entry=1)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TSelectorDraw.cxx:1192
#22 0xb06277d9 in TSelectorDraw::ProcessFill (this=0x9fc6508, entry=1)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TSelectorDraw.cxx:1137
#23 0xb065e8dd in TTreePlayer::Process (this=0x9fc6488, selector=0x9fc6508,
    option=0xb67ec73c "", nentries=10, firstentry=0)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreePlayer.cxx:2172
#24 0xb0655b0f in TTreePlayer::DrawSelect root [1] gROOT->ProcessLine(".x
$VMCWORKDIR/gconfig/rootlogon.C");
(int)0
root [2] cbmsim->StartViewer()
File name : points_sttcombi.root
root [3] Info in <TCanvas::MakeDefCanvas>: created default TCanvas with name c1

```

*** Break *** segmentation violation

```

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

```

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#1 0xb65ef143 in __waitpid_nocancel ()
    at ../sysdeps/unix/syscall-template.S:82
#2 0xb6590e93 in do_system (line=<value optimized out>)
    at ../sysdeps/posix/system.c:149
#3 0xb66ad40d in system (
    line=0xa319748 "/nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/etc/gdb-backtrace.sh 30145 1>&2") at pt-system.c:29
#4 0xb7143639 in TUnixSystem::Exec (this=0x94dc758,
    shellcmd=0xa319748 "

```

```

/nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root /etc/gdb-backtrace.sh
30145 1>&2")
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:2058
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/core/unix/src/TUnixSystem.cxx:2306
#6 0xb714198d in TUnixSystem::DispatchSignals (this=0x94dc758,
  sig=kSigSegmentationViolation)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:1184
#7 0xb713f9c5 in SigHandler (sig=kSigSegmentationViolation)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:367
#8 0xb71471ad in sighandler (sig=11)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:3588
#9 0xb7178300 in textinput::TerminalConfigUnix::HandleSignal (
  this=0xb76dab60, signum=11)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/textinput/src/textinput/TerminalConfigUnix.cpp:96
#10 0xb7177e32 in TerminalConfigUnix__handleSignal (signum=11)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/textinput/src/textinput/TerminalConfigUnix.cpp:36
#11 <signal handler called>
#12 0xb5fa35de in TStreamerInfoActions::ConvertBasicType<float, double> (
  buf=..., addr=0xa3149c8, config=0xa289380)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TStreamerInfoActions.cxx:649
#13 0xb5fa57bb in TStreamerInfoActions::VectorPtrLooper<&(int
TStreamerInfoActions::ConvertBasicType<float, double>(TBuffer&, void*,
TStreamerInfoActions::TConfiguration const*)> (buf=..., start=0xa2b3728, end=0xa2b3924,
config=0xa289380)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TStreamerInfoActions.cxx:1008
#14 0xb5f41eda in TStreamerInfoActions::TConfiguredAction::operator() (
  this=0xa289368, buffer=..., start_collection=0xa2b3728,
  end_collection=0xa2b3924) at include/TStreamerInfoActions.h:99
#15 0xb5f40248 in TBufferFile::ApplySequenceVecPtr (this=0xa30c7b0,
  sequence=..., start_collection=0xa2b3728, end_collection=0xa2b3924)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TBufferFile.cxx:3728
#16 0xb569053f in TBranchElement::ReadLeavesClonesMember (this=0x9f435a0,
  b=...)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranchElement.cxx:3776
#17 0xb567c324 in TBranch::GetEntry (this=0x9f435a0, entry=1, getall=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranch.cxx:1274
#18 0xb568b2b4 in TBranchElement::GetEntry (this=0x9f435a0, entry=1, getall=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranchElement.cxx:2226

```

```

#19 0xb062ff4e in R__LoadBranch (br=0x9f435a0, entry=1, quickLoad=true)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreeFormula.cxx:99
#20 0xb0640c4b in TTreeFormula::EvalInstance (this=0xa259f90, instance=0,
  stringStackArg=0x0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreeFormula.cxx:3873
#21 0xb0627c79 in TSelectorDraw::ProcessFillMultiple (this=0x9fc6508, entry=1)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TSelectorDraw.cxx:1192
#22 0xb06277d9 in TSelectorDraw::ProcessFill (this=0x9fc6508, entry=1)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TSelectorDraw.cxx:1137
#23 0xb065e8dd in TTreePlayer::Process (this=0x9fc6488, selector=0x9fc6508,
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreePlayer.cxx:2172
#24 0xb0655b0f in TTreePlayer::DrawSelect (this=0x9fc6488,
  varexp0=0x9af5eec "STTPoint.fPy", selection=0xb67ec73c "",
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreePlayer.cxx:410
#25 0xb56eba06 in TTree::Draw (this=0x94df220,
  varexp=0x9af5eec "STTPoint.fPy", selection=0xb67ec73c "",
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TTree.cxx:3896
#26 0xb571f145 in G__G__Tree_119_0_51(G__value*, char const*, G__param*, int)
  ()
  from /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root /lib/libTree.so
#27 0xb68d0b6d in Cint::G__ExceptionWrapper (
  funcp=0xb571e0ec <G__G__Tree_119_0_51(G__value*, char const*, G__param*, int)>,
  result7=0xbf96ccb8, funcname=0x9a166b8 "", libp=0xbf962674, hash=0)
  at cint/cint/src/Api.cxx:393
#28 0xb699d707 in G__execute_call (result7=0xbf96ccb8, libp=0xbf962674,
  ifunc=0x9a166b8, ifn=0) at cint/cint/src/newlink.cxx:2406
#29 0xb699df46 in G__call_cppfunc (result7=0xbf96ccb8, libp=0xbf962674,
  ifunc=0x9a166b8, ifn=0) at cint/cint/src/newlink.cxx:2610
#30 0xb6979a9a in G__interpret_func (result7=0xbf96ccb8,
  funcname=0x94f35c8 "Draw", libp=0xbf962674, hash=398, p_ifunc=0x9a166b8,
  funcmatch=1, memfunc_flag=1) at cint/cint/src/ifunc.cxx:5795
#31 0xb6955b29 in G__getfunction (
  item=0x94f21aa "Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0)", known3=0xbf97019c,
  memfunc_flag=1) at cint/cint/src/func.cxx:2665
#32 0xb6a7c63f in G__getstructmem (store_var_type=112, varname=...,
  membername=0x94f21aa "Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0)",
  memnamesize=2147483647, tagname=0x94f29b0 "tv__tree", known2=0xbf97019c,
  varglobal=0xb6b353c0, objptr=2) at cint/cint/src/var.cxx:6818
#33 0xb6a6d58d in G__getvariable (
  item=0x94f21a0 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0)",
  known=0xbf97019c, varglobal=0xb6b353c0, varlocal=0x0)
  at cint/cint/src/var.cxx:5404

```

```

#34 0xb6945b3f in G__getitem (
    item=0x94f21a0 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0)\")
    at cint/cint/src/expr.cxx:1906
#35 0xb69435ae in G__getexpr (
    expression=0x95059f0 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0)\")
    at cint/cint/src/expr.cxx:1488
#36 0xb69cdf8b in G__exec_function (statement=..., pc=0xbf972024,
    piout=0xbf972020, plargestep=0xbf972018, presult=0xbf971fa0)
    at cint/cint/src/parse.cxx:645
#37 0xb69de691 in G__exec_statement (mparen=0xbf972284)
    at cint/cint/src/parse.cxx:7372
#38 0xb691746f in G__exec_tempfile_core (file=0x0, fp=0x9af6028)
    at cint/cint/src/debug.cxx:265
#39 0xb6918d7d in G__exec_tempfile_fp (fp=0x9af6028)
    at cint/cint/src/debug.cxx:806
#40 0xb69ed342 in G__process_cmd (
    line=0x9af5ff0 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0);",
    prompt=0x94defb4 "", more=0x94defac, err=0xbf9732f4, rslt=0xbf9732c0)
    at cint/cint/src/pause.cxx:3337
#41 0xb70f3985 in TCint::ProcessLine (this=0x94def80,
    line=0x9af5ff0 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0);",
    error=0x0)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/meta/src/TCint.cxx:538
#42 0xb702d3b1 in TApplication::ProcessLine (this=0x95a2130,
    line=0x9af5ff0 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0);",
    sync=false, err=0x0)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TApplication.cxx:891
#43 0xb70899d7 in TROOT::ProcessLine (this=0xb76a1860,
    line=0x9af62f8 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0);",
    error=0x0)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TROOT.cxx:1668
#44 0xaf687a6c in TTreeViewer::ExecuteCommand (this=0x9ff96d8,
    command=0x9af62f8 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0);",
    fast=false)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeviewer/src/TTreeViewer.cxx:2270
#45 0xaf6847e7 in TTreeViewer::ExecuteDraw (this=0x9ff96d8)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeviewer/src/TTreeViewer.cxx:1455
#46 0xaf68785e in TTreeViewer::ProcessMessage (this=0x9ff96d8, msg=1282,
    parm1=1, parm2=21037362)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeviewer/src/TTreeViewer.cxx:2197
#47 0xb4159664 in TGFrame::HandleClientMessage (this=0x9ff96d8,
    event=0xbf974450)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGFrame.cxx:636
#48 0xb415d8d4 in TGMainFrame::HandleClientMessage (this=0x9ff96d8,
    event=0xbf974450)

```

```

at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGFrame.cxx:1664
#49 0xb415917c in TGFrame::HandleEvent (this=0x9ff96d8, event=0xbf974450)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGFrame.cxx:513
#50 0xb4110495 in TGClient::HandleEvent (this=0x9bb8f90, event=0xbf974450)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGClient.cxx:793
#51 0xb410ff16 in TGClient::ProcessOneEvent (this=0x9bb8f90)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGClient.cxx:615
#52 0xb4110069 in TGClient::HandleInput (this=0x9bb8f90)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGClient.cxx:662
#53 0xb410dfa0 in TGInputHandler::Notify (this=0x9bcbdc0)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGClient.cxx:87
#54 0xb7140fb6 in TUnixSystem::DispatchOneEvent (this=0x94dc758,
pendingOnly=false)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:983
#55 0xb70a2c87 in TSystem::InnerLoop (this=0x94dc758)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TSystem.cxx:406
#56 0xb70a2a59 in TSystem::Run (this=0x94dc758)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TSystem.cxx:356
#57 0xb702dcba in TApplication::Run (this=0x95a2130, retrn=false)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TApplication.cxx:1039
#58 0xb682e0a1 in TRint::Run (this=0x95a2130, retrn=false)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/rint/src/TRint.cxx:449
#59 0x08049023 in main (argc=1, argv=0xbf976834)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_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.

```

=====
#12 0xb5fa35de in TStreamerInfoActions::ConvertBasicType<float, double> (
buf=..., addr=0xa3149c8, config=0xa289380)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TStreamerInfoActions.cxx:649
#13 0xb5fa57bb in TStreamerInfoActions::VectorPtrLooper<&(int
TStreamerInfoActions::ConvertBasicType<float, double>(TBuffer&, void*,
TStreamerInfoActions::TConfiguration const*))> (buf=..., start=0xa2b3728, end=0xa2b3924,

```

```

config=0xa289380)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TStreamerInfoActions.cxx:1008
#14 0xb5f41eda in TStreamerInfoActions::TConfiguredAction::operator() (
  this=0xa289368, buffer=..., start_collection=0xa2b3728,
  end_collection=0xa2b3924) at include/TStreamerInfoActions.h:99
#15 0xb5f40248 in TBufferFile::ApplySequenceVecPtr (this=0xa30c7b0,
  sequence=..., start_collection=0xa2b3728, end_collection=0xa2b3924)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TBufferFile.cxx:3728
#16 0xb569053f in TBranchElement::ReadLeavesClonesMember (this=0x9f435a0,
  b=...)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranchElement.cxx:3776
#17 0xb567c324 in TBranch::GetEntry (this=0x9f435a0, entry=1, getall=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranch.cxx:1274
#18 0xb568b2b4 in TBranchElement::GetEntry (this=0x9f435a0, entry=1, getall=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranchElement.cxx:2226
#19 0xb062ff4e in R__LoadBranch (br=0x9f435a0, entry=1, quickLoad=true)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreeFormula.cxx:99
#20 0xb0640c4b in TTreeFormula::EvalInstance (this=0xa259f90, instance=0,
  stringStackArg=0x0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreeFormula.cxx:3873
#21 0xb0627c79 in TSelectorDraw::ProcessFillMultiple (this=0x9fc6508, entry=1)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TSelectorDraw.cxx:1192
#22 0xb06277d9 in TSelectorDraw::ProcessFill (this=0x9fc6508, entry=1)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TSelectorDraw.cxx:1137
#23 0xb065e8dd in TTreePlayer::Process (this=0x9fc6488, selector=0x9fc6508,
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreePlayer.cxx:2172
#24 0xb0655b0f in TTreePlayer::DrawSelect (this=0x9fc6488,
  varexp0=0x9af5eec "STTPoint.fPy", selection=0xb67ec73c "",
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreePlayer.cxx:410
#25 0xb56eba06 in TTree::Draw (this=0x94df220,
  varexp=0x9af5eec "STTPoint.fPy", selection=0xb67ec73c "",
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TTree.cxx:3896
(this=0x9fc6488,
  varexp0=0x9af5eec "STTPoint.fPy", selection=0xb67ec73c "",
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreePlayer.cxx:410

```



```

#25 0xb56eba06 in TTree::Draw (this=0x94df220,
    varexp=0x9af5eec "STTPoint.fPy", selection=0xb67ec73c "",
    option=0xb67ec73c "", nentries=10, firstentry=0)
    at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TTree.cxx:3896
#26 0xb571f145 in G__G__Tree_119_0_51(G__value*, char const*, G__param*, int)
    ()
    from /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root /lib/libTree.so
#27 0xb68d0b6d in Cint::G__ExceptionWrapper (
    funcp=0xb571e0ec <G__G__Tree_119_0_51(G__value*, char const*, G__param*, int)>,
    result7=0xbf96ccb8, funcname=0x9a166b8 "", libp=0xbf962674, hash=0)
    at cint/cint/src/Api.cxx:393
#28 0xb699d707 in G__execute_call (result7=0xbf96ccb8, libp=0xbf962674,
    ifunc=0x9a166b8, ifn=0) at cint/cint/src/newlink.cxx:2406
#29 0xb699df46 in G__call_cppfunc (result7=0xbf96ccb8, libp=0xbf962674,
    ifunc=0x9a166b8, ifn=0) at cint/cint/src/newlink.cxx:2610
#30 0xb6979a9a in G__interpret_func (result7=0xbf96ccb8,
    funcname=0x94f35c8 "Draw", libp=0xbf962674, hash=398, p_ifunc=0x9a166b8,
    funcmatch=1, memfunc_flag=1) at cint/cint/src/ifunc.cxx:5795
#31 0xb6955b29 in G__getfunction (
    item=0x94f21aa "Draw(\\"STTPoint.fPy\\",\\"\\",\\"\\",10,0)", known3=0xbf97019c,
    memfunc_flag=1) at cint/cint/src/func.cxx:2665
#32 0xb6a7c63f in G__getstructmem (store_var_type=112, varname=...,
    membername=0x94f21aa "Draw(\\"STTPoint.fPy\\",\\"\\",\\"\\",10,0)",
    memnamesize=2147483647, tagname=0x94f29b0 "tv__tree", known2=0xbf97019c,
    varglobal=0xb6b353c0, objptr=2) at cint/cint/src/var.cxx:6818
#33 0xb6a6d58d in G__getvariable (
    item=0x94f21a0 "tv__tree->Draw(\\"STTPoint.fPy\\",\\"\\",\\"\\",10,0)",
    known=0xbf97019c, varglobal=0xb6b353c0, varlocal=0x0)
    at cint/cint/src/var.cxx:5404
#34 0xb6945b3f in G__getitem (
    item=0x94f21a0 "tv__tree->Draw(\\"STTPoint.fPy\\",\\"\\",\\"\\",10,0)")
    at cint/cint/src/expr.cxx:1906
#35 0xb69435ae in G__getexpr (
    expression=0x95059f0 "tv__tree->Draw(\\"STTPoint.fPy\\",\\"\\",\\"\\",10,0)")
    at cint/cint/src/expr.cxx:1488
#36 0xb69cdf8b in G__exec_function (statement=..., pc=0xbf972024,
    piout=0xbf972020, plargestep=0xbf972018, presult=0xbf971fa0)
    at cint/cint/src/parse.cxx:645
#37 0xb69de691 in G__exec_statement (mparen=0xbf972284)
    at cint/cint/src/parse.cxx:7372
#38 0xb691746f in G__exec_tempfile_core (file=0x0, fp=0x9af6028)
    at cint/cint/src/debug.cxx:265
#39 0xb6918d7d in G__exec_tempfile_fp (fp=0x9af6028)
    at cint/cint/src/debug.cxx:806
#40 0xb69ed342 in G__process_cmd (
    line=0x9af5ff0 "tv__tree->Draw(\\"STTPoint.fPy\\",\\"\\",\\"\\", 10, 0);",
    prompt=0x94defb4 "", more=0x94defac, err=0xbf9732f4, rslt=0xbf9732c0)
    at cint/cint/src/pause.cxx:3337
#41 0xb70f3985 in TCint::ProcessLine (this=0x94def80,
    line=0x9af5ff0 "tv__tree->Draw(\\"STTPoint.fPy\\",\\"\\",\\"\\", 10, 0);",
    error=0x0)

```

```

at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/meta/src/TCint.cxx:538
#42 0xb702d3b1 in TApplication::ProcessLine (this=0x95a2130,
line=0x9af5ff0 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0);",
sync=false, err=0x0)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TApplication.cxx:891
#43 0xb70899d7 in TROOT::ProcessLine (this=0xb76a1860,
line=0x9af62f8 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0);",
error=0x0)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TROOT.cxx:1668
#44 0xaf687a6c in TTreeView::ExecuteCommand (this=0x9ff96d8,
command=0x9af62f8 "tv__tree->Draw(\"STTPoint.fPy\", \"\", \"\", 10, 0);",
fast=false)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeviewer/src/TTreeView.cxx:2270
#45 0xaf6847e7 in TTreeView::ExecuteDraw (this=0x9ff96d8)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeviewer/src/TTreeView.cxx:1455
#46 0xaf68785e in TTreeView::ProcessMessage (this=0x9ff96d8, msg=1282,
parm1=1, parm2=21037362)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeviewer/src/TTreeView.cxx:2197
#47 0xb4159664 in TGFrame::HandleClientMessage (this=0x9ff96d8,
event=0xbf974450)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGFrame.cxx:636
#48 0xb415d8d4 in TGMainFrame::HandleClientMessage (this=0x9ff96d8,
event=0xbf974450)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGFrame.cxx:1664
#49 0xb415917c in TGFrame::HandleEvent (this=0x9ff96d8, event=0xbf974450)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGFrame.cxx:513
#50 0xb4110495 in TGClient::HandleEvent (this=0x9bb8f90, event=0xbf974450)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGClient.cxx:793
#51 0xb410ff16 in TGClient::ProcessOneEvent (this=0x9bb8f90)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGClient.cxx:615
#52 0xb4110069 in TGClient::HandleInput (this=0x9bb8f90)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGClient.cxx:662
#53 0xb410dfa0 in TGInputHandler::Notify (this=0x9bcbdc0)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/gui/gui/src/TGClient.cxx:87
#54 0xb7140fb6 in TUnixSystem::DispatchOneEvent (this=0x94dc758,
pendingOnly=false)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/unix/src/TUnixSystem.cxx:983
#55 0xb70a2c87 in TSystem::InnerLoop (this=0x94dc758)

```

```

at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TSystem.cxx:406
#56 0xb70a2a59 in TSystem::Run (this=0x94dc758)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TSystem.cxx:356
#57 0xb702dcba in TApplication::Run (this=0x95a2130, retrn=false)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/base/src/TApplication.cxx:1039
#58 0xb682e0a1 in TRint::Run (this=0x95a2130, retrn=false)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/core/rint/src/TRint.cxx:449
#59 0x08049023 in main (argc=1, argv=0xbf976834)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_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.

```

=====
#12 0xb5fa35de in TStreamerInfoActions::ConvertBasicType<float, double> (
buf=..., addr=0xa3149c8, config=0xa289380)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TStreamerInfoActions.cxx:649
#13 0xb5fa57bb in TStreamerInfoActions::VectorPtrLooper<&(int
TStreamerInfoActions::ConvertBasicType<float, double>(TBuffer&, void*,
TStreamerInfoActions::TConfiguration const*))> (buf=..., start=0xa2b3728, end=0xa2b3924,
config=0xa289380)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TStreamerInfoActions.cxx:1008
#14 0xb5f41eda in TStreamerInfoActions::TConfiguredAction::operator() (
this=0xa289368, buffer=..., start_collection=0xa2b3728,
end_collection=0xa2b3924) at include/TStreamerInfoActions.h:99
#15 0xb5f40248 in TBufferFile::ApplySequenceVecPtr (this=0xa30c7b0,
sequence=..., start_collection=0xa2b3728, end_collection=0xa2b3924)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/io/io/src/TBufferFile.cxx:3728
#16 0xb569053f in TBranchElement::ReadLeavesClonesMember (this=0x9f435a0,
b=...)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranchElement.cxx:3776
#17 0xb567c324 in TBranch::GetEntry (this=0x9f435a0, entry=1, getall=0)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranch.cxx:1274
#18 0xb568b2b4 in TBranchElement::GetEntry (this=0x9f435a0, entry=1, getall=0)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TBranchElement.cxx:2226
#19 0xb062ff4e in R__LoadBranch (br=0x9f435a0, entry=1, quickLoad=true)
at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root

```

```
/tree/treeplayer/src/TTreeFormula.cxx:99
#20 0xb0640c4b in TTreeFormula::EvalInstance (this=0xa259f90, instance=0,
  stringStackArg=0x0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreeFormula.cxx:3873
#21 0xb0627c79 in TSelectorDraw::ProcessFillMultiple (this=0x9fc6508, entry=1)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TSelectorDraw.cxx:1192
#22 0xb06277d9 in TSelectorDraw::ProcessFill (this=0x9fc6508, entry=1)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TSelectorDraw.cxx:1137
#23 0xb065e8dd in TTreePlayer::Process (this=0x9fc6488, selector=0x9fc6508,
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreePlayer.cxx:2172
#24 0xb0655b0f in TTreePlayer::DrawSelect (this=0x9fc6488,
  varexp0=0x9af5eec "STTPoint.fPy", selection=0xb67ec73c "",
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/treeplayer/src/TTreePlayer.cxx:410
#25 0xb56eba06 in TTree::Draw (this=0x94df220,
  varexp=0x9af5eec "STTPoint.fPy", selection=0xb67ec73c "",
  option=0xb67ec73c "", nentries=10, firstentry=0)
  at /nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_jan12/tools/root
/tree/tree/src/TTree.cxx:3896
```

Subject: Re: Problems reading FairMCPoint branch
Posted by [Stefano Spataro](#) on Fri, 11 May 2012 11:09:18 GMT
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Hi,
I have the same problem. If you do not load the rootlogon at least you can plot the data members, but if you load it you have zeros.
Plotting the functions is crashing since ages, for me.

Subject: Re: Problems reading FairMCPoint branch
Posted by [Felix Boehmer](#) on Fri, 11 May 2012 12:32:54 GMT
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Hi,
Quote:Plotting the functions is crashing since ages, for me.
Please excuse me for asking the obvious: Does this mean that it will stay like that? Does someone have more insight into the source of the problem? Are there plans to actually fix this issue (considering that we are talking about one of the core classes of the framework...)

Cheers

Felix

Subject: Re: Problems reading FairMCPoint branch
Posted by [StefanoSpataro](#) on Fri, 11 May 2012 12:37:37 GMT
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I was the only one complaining for this more than one year ago, then the problem seems to have very low priority.

I suppose nobody has ever investigated the problem.
