
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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  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 (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,

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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

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#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)

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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)

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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
```
