
Subject: crash in TrackConverter / FairLink

Posted by [Felix Boehmer](#) on Wed, 29 Jun 2011 09:49:54 GMT

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Hi all,

when trying to run Dima's reconstruction macro I get the following reproducible crash after several events:

```
#9 <signal handler called>
#10 0xb7245a23 in TObject::TObject(TObject const&) ()
    from
/nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_may11/tools/root_5.28d_qt_custom_
TH2Poly/lib/libCore.so
#11 0xb370adc8 in FairLink (this=0x181b3fd0)
    at /nfs/hicran/project/panda/SIM/fboehmer/clean/base/FairLink.h:18
#12 0xb370bae8 in __gnu_cxx::new_allocator<FairLink>::construct (
    this=0xbffc57fb, __p=0x181b3fd0, __val=...)
    at /usr/include/c++/4.4/ext/new_allocator.h:105
#13 0xb370b9b1 in std::_Rb_tree<FairLink, FairLink, std::_Identity<FairLink>,
std::less<FairLink>, std::allocator<FairLink> >::_M_create_node (
    this=0xbffc59b0, __x=...) at /usr/include/c++/4.4/bits/stl_tree.h:371
#14 0xb370ed8b in std::_Rb_tree<FairLink, FairLink, std::_Identity<FairLink>,
std::less<FairLink>, std::allocator<FairLink> >::_M_clone_node (this=0xbffc59b0,
    __x=0x5ac23814) at /usr/include/c++/4.4/bits/stl_tree.h:416
#15 0xb370e96e in std::_Rb_tree<FairLink, FairLink, std::_Identity<FairLink>,
std::less<FairLink>, std::allocator<FairLink> >::_M_copy (this=0xbffc59b0,
    __x=0x5ac23814, __p=0xbffc59b4) at /usr/include/c++/4.4/bits/stl_tree.h:932
#16 0xb370e27d in _Rb_tree (this=0xbffc59b0, __x=...)
    at /usr/include/c++/4.4/bits/stl_tree.h:602
#17 0xb370de16 in set (this=0xbffc59b0, __x=...)
    at /usr/include/c++/4.4/bits/stl_set.h:189
#18 0xb370d55c in FairMultiLinkedData (this=0xbffc59a0)
    at /nfs/hicran/project/panda/SIM/fboehmer/clean/base/FairMultiLinkedData.h:18
#19 0xb370dcef in FairMultiLinkedData::AddLink (this=0xb272c18, link=...,
    bypass=true, mult=1)
    at /nfs/hicran/project/panda/SIM/fboehmer/clean/base/FairMultiLinkedData.cxx:136
#20 0xb2e56b0a in PndTrackCand::AddHit (this=0xb272c18, detId=24, hitId=10,
    rho=0)
    at /nfs/hicran/project/panda/SIM/fboehmer/clean/pnddata/TrackData/PndTrackCand.cxx:37
#21 0xb4832dce in GenfitTrackCand2PndTrackCand (cand=0xbffc6864)
    at
/nfs/hicran/project/panda/SIM/fboehmer/clean/GenfitTools/adapters/PndGenfitAdapters.cxx:23
#22 0xb4833cf5 in GenfitTrack2PndTrack (tr=0x13b5f990)
    at
/nfs/hicran/project/panda/SIM/fboehmer/clean/GenfitTools/adapters/PndGenfitAdapters.cxx:92
#23 0xb0096be6 in PndGFTrackToPndTrackConvertorTask::Exec (this=0x95582f8,
    opt=0xb37f4fd8 "")
    at
/nfs/hicran/project/panda/SIM/fboehmer/clean/GenfitTools/recotasks/PndGFTrackToPndTrack
ConvertorTask.cxx:85
#24 0xb728be78 in TTask::ExecuteTasks(char const*) ()
```

```
from
/nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_may11/tools/root_5.28d_qt_custom_
TH2Poly/lib/libCore.so
#25 0xb728b15e in TTask::ExecuteTask(char const*) ()
from
/nfs/hicran/project/panda/SIM/FAIRRoot/fairsoft_release_may11/tools/root_5.28d_qt_custom_
TH2Poly/lib/libCore.so
#26 0xb373e8ac in FairRunAna::Run (this=0x8e9a120, Ev_start=0, Ev_end=101)
at /nfs/hicran/project/panda/SIM/fboehmer/clean/base/FairRunAna.cxx:353
#27 0xb3799e42 in G__FairDict_894_0_5 (result7=0xbffd2ac8,
funcname=0x926b7c0 "", libp=0xbffc8484, hash=0)
at /nfs/hicran/project/panda/SIM/fboehmer/clean/build/base/FairDict.cxx:13767
```

Is anyone aware of what's going wrong there? I can see this is connected to the FairLinks somehow, but for the tpc code we disabled all usage of the links due to persistent problems in the past...

Thanks in advance

Felix
