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Subject: Problem with read tree [SOLVED]

Posted by [Daniel Wielanek](#) on Tue, 29 Jul 2014 09:52:53 GMT

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Dear users and developers

I want add new branch to my generator, I used modified UrQMD generator and add new branch by:

```
fTracks = new TClonesArray("TLorentzVector");
```

```
manager->Register("Freezouts","FreezCoor",fTracks,kTRUE);
```

everything during reconstruction goes fine - I get reconstructed tracks and my additional branch, however when I try to read this by some FairRunAna i get this crash:

Quote:

```
root.exe': corrupted double-linked list: 0x0000000002c1d1a0 ***
```

or this:

Quote:

```
#10 0x00007f4999f216a8 in TBranch::GetEntry (this=0x3380810, entry=0, getall=0) at  
/opt/fairsoft/tools/root/tree/tree/src/TBranch.cxx:1242
```

```
#11 0x00007f4999f30c20 in TBranchElement::GetEntry (this=0x3380810, entry=0, getall=0) at  
/opt/fairsoft/tools/root/tree/tree/src/TBranchElement.cxx:2282
```

```
#12 0x00007f4999f30b72 in TBranchElement::GetEntry (this=0x337f9e0, entry=0, getall=0) at  
/opt/fairsoft/tools/root/tree/tree/src/TBranchElement.cxx:2265
```

```
#13 0x00007f4999f94d5b in TTree::GetEntry (this=0x32c6b90, entry=0, getall=0) at  
/opt/fairsoft/tools/root/tree/tree/src/TTree.cxx:4921
```

```
#14 0x00007f4999f4ebf2 in TChain::GetEntry (this=0x2eeb2c0, entry=0, getall=0) at  
/opt/fairsoft/tools/root/tree/tree/src/TChain.cxx:960
```

```
#15 0x00007f49937e0ad6 in FairRootManager::ReadEvent (this=0x2eeaeb0, i=0) at  
/opt/fairsoft/mpdroot/base/FairRootManager.cxx:1105
```

```
#16 0x00007f4993800eef in FairRunAna::Run (this=0x2eeabb0, Ev_start=0, Ev_end=5) at  
/opt/fairsoft/mpdroot/base/FairRunAna.cxx:526
```

I don't know what is the source of such behaviour. Are there some limitations on FairROOTManager? I tried add dot at the name. When I open this file by using some primitive macro or TBrowse file seems to be ok, but when I use FairRunAna - I get those crashes. In attachment I'm sending my file with data.

SOLVED

Problem was with libraries with reconstruction, I changed version of geomtry and code works!

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## File Attachments

1) [evetest2.root](#), downloaded 435 times

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Subject: Re: Problem with read tree

Posted by [Daniel Wielanek](#) on Wed, 30 Jul 2014 14:07:08 GMT

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Edit:

I found something strange - when I use primGen->AddTrack - reading root file lead to crash (reading, reconstruction seems to be ok). But after I commented out this part of code, my

fTracks branch is filled properly (of course I loose all FairMCTracks).

In root macro reading file crashing when I close TFile (during the reading files I dont get any error).

So It's seems that I can't add my branch if I use AddTrack because something wrong will happen with my data - but I don't know why.

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