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 modyfied 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 TBrowser file seems to bee ok, but when I use FaiRunAna - I get those crashes.
In attachement I'm sending my file with data.

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

File Attachments
1) evetest2.root, downloaded 638 times

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 kwno why.