Subject: Re: first try with fast simulation problem
Posted by Alexandros on Wed, 09 Apr 2014 13:47:39 GMT
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The .root file is indeed broken..
If I try file->IsZombie() gives 0 so file is there.
If I try then sile->Recover it says:

"Info in <TFile::Recover>: psi4160_fast.root, recovered key TFolder:cbmroot at address 230
Info in <TFile::Recover>: psi4160_fast.root, recovered key TList:BranchList at address 698
Info in <TFile::Recover>: psi4160_fast.root, recovered key FairFileHeader:FileHeader at address 946
Info in <TFile::Recover>: psi4160_fast.root, recovered key TTree:cbmsim at address 5176972"

Without exiting root I try .L my analysis macro and then I call the function I have.
My macro is like I said before:

```
void psi4160at8Gev1000eventsAnalysis(int nevts=0)
{
 // some variables
 int i=0,j=0, k=0, l=0;

 // the output file examined
 TString InFile="psi4160_fast.root";
 TString OutFile="psi4160_out.root";

 // initialization
 FairLogger::GetLogger()->SetLogToFile(kFALSE);
 FairRunAna* fRun = new FairRunAna();
 fRun->SetWriteRunInfoFile(kFALSE);

 fRun->SetInputFile(InFile);
 fRun->SetOutputFile(OutFile);
 fRun->Init();

 // create an output file for all histograms
 TFile *out = TFile::Open("psi4160.root","RECREATE");

 // create ntuples for psi(4160), D0 and anti-D0
 RhoTuple *npsi4160 = new RhoTuple("npsi4160","npsi4160 Analysis");
 RhoTuple *nd0 = new RhoTuple("nd0","nD0 Analysis");
 RhoTuple *nantid0 = new RhoTuple("nantid0","nanti-D0 Analysis");

 // *** Now the analysis stuff *** //

 // the data reader object
 PndAnalysis* theAnalysis = new PndAnalysis();
 if(nevts==0) nevts= theAnalysis->GetEntries();
```

and then the real analysis part comes...

But now I am taking this as an error:

FairRootManager::OpenOutFile("psi4160_out.root")
Warning in <TFile::Init>: file psi4160_fast.root probably not closed, trying to recover
Info in <TFile::Recover>: psi4160_fast.root, recovered key TFolder:cbmroot at address 230
Info in <TFile::Recover>: psi4160_fast.root, recovered key TList:BranchList at address 698
Info in <TFile::Recover>: psi4160_fast.root, recovered key FairFileHeader:FileHeader at address 946
Info in <TFile::Recover>: psi4160_fast.root, recovered key TTree:cbmsim at address 5176972
Warning in <TFile::Init>: successfully recovered 4 keys
Fatal in <ApplySequence>: The sequence of actions to read PndMCTrack:1 member-wise was not initialized.
aborting

 and then a stack of errors which lead to exit root...

I really have no idea (as you will have probably understood by now) of what is wrong!!!