

Hi Mohammad and Florian

Thanks guys for pointing out the necessary changes.

I did create a new library called libEicTools and put in it all the necessary things which i thought were needed to run reconstruction from pandaroot/PndTools/generaltools and analysistools.

Now i am having no problems regarding fairtools or other of my old libraries (i had to change a few things in fairmcstack regarding my new detectors).

So now when i try to run my sample reconstruction program including libEicTools, it tells me

```
Processing eic_reco.C...
dlopen error: dlopen(/Users/raghav/fairroot/build/lib/libEicTools.so, 9): Symbol not found:
__ZN10VAbsFitter6FitAllEv
Referenced from: /Users/raghav/fairroot/build/lib/libEicTools.so
Expected in: flat namespace
in /Users/raghav/fairroot/build/lib/libEicTools.so
Load Error: Failed to load Dynamic link library /Users/raghav/fairroot/build/lib/libEicTools.so
(int)(-1)
root [1]
```

I thought that this had something to do with the things in fitter directory which is present in EicTools/Fitter, (in panda it is in PndTools/AnalysisTools/Fitter), so i removed them and tried to create the library but i found out that i needed them.

So now i am pretty much stuck regarding this issue. but as far as i see doing a reconstruction is pretty simple right? I just followed the example from panda

```
FairFileNameCreator creator(MCFile.Data());
TString DigiFile = creator.GetDigiFileName(false).c_str();
TString outFile = creator.GetRecoFileName(false).c_str();

std::cout << "MCFile : " << MCFile.Data() << std::endl;
std::cout << "DigiFile: " << DigiFile.Data() << std::endl;
std::cout << "RecoFile: " << outFile.Data() << std::endl;

// ----- Timer -----
TStopwatch timer;
timer.Start();
// -----
// ----- Reconstruction run -----
FairRunAna *fRun= new FairRunAna();
fRun->SetInputFile(MCFile);
fRun->AddFriend(DigiFile);
fRun->SetOutputFile(outFile);
// -----
// ----- Parameter database -----
```

```
FairRuntimeDb* rtdb = fRun->GetRuntimeDb();
FairParRootFileIo* parInput1 = new FairParRootFileIo(kTRUE);
parInput1->open(parFile.Data(),"UPDATE");
rtdb->setFirstInput(parInput1);

rtdb->setOutput(parInput1);
rtdb->print();

fRun->Init();

fRun->Run(0,nEvents);
```

This is basically what i have in my reco file. Please tell me if i need to add or remove anything from it. (i did specify all the required things like file name etc..)

As always, your help is much appreciated.
Cheers
Raghav
