
Subject: Re: Compiling a box generator (Geant3)
Posted by [Prometeusz Jasinski](#) on Thu, 29 Nov 2012 14:52:04 GMT
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I did not manage to run the macros, so I had to compile those on the fly in FairRunSim.cxx:

```
//-----Geant4 Config-----
if(strcmp(GetName(),"TGeant4") == 0 ) {
  //cout << gSystem->GetIncludePath() << endl;
  gSystem->AddIncludePath("-I/home/jasinski/bin/fairroot/include/Geant4");
  //cout << gSystem->GetIncludePath() << endl;

  gSystem->AddIncludePath("-I/home/jasinski/bin/sep12/transport/geant4_vmc/include/geant4v
  mc");
  gSystem->AddIncludePath("-I/home/jasinski/bin/pandaroot/pnddata");
  gSystem->AddIncludePath("-I/home/jasinski/bin/pandaroot/base");
  gSystem->AddIncludePath("-I/home/jasinski/bin/pandaroot/fairtools");
  TString g4LibMacro="g4libs.C";

  ...

  gROOT->LoadMacro((LibMacro+"").Data());
  gROOT->ProcessLine(LibFunction.Data());

  gROOT->LoadMacro((ConfigMacro+"").Data());
  gROOT->ProcessLine("Config()");

  gROOT->LoadMacro((cuts+"").Data());
  gROOT->ProcessLine("SetCuts()");
```

revealing apart from the usual missing includes small bugs in the macros. Include directories should be fixed in terms of Path variables.

[https://subversion.gsi.de/trac/fairroot/ticket/96#comment:3\[link\]](https://subversion.gsi.de/trac/fairroot/ticket/96#comment:3[link])

Mostly that was it. Now I can run Geant4 VMC also standalone. I cannot say if this is not a waste of time. At least I had in the past always better experience with compiled programs than making CINT manage all this.

Cheers