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Subject: Compilation fails

Posted by [C. A. Douma](#) on Wed, 18 Nov 2015 08:25:17 GMT

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I am working to set up the realistic background simulations for the VETO. For that I wanted to have the newest

update of R3Broot, but it refuses to compile. During compilation R3Broot wants to have a file called FairDbReader.h

which is supposed to be located in FairRoot\_Install/include/ but this file simply does not exist anywhere in FairRoot.

After I re-installed the newest download of FairRoot the problem is not solved (I did not re-install FairSoft).

The files that require this header are /r3broot/r3bdb/landdb/R3BLandTCalPar.h,

/r3broot/r3bdb/landdb/R3BLandTCalPar.cxx and

/r3broot/r3bdb/landdb/R3BLandLinkDef.h

Am I doing something wrong? Or is there a bug?

Then there are also 2 other things that occur during compilation. The first is that

/r3broot/CMakeLists.txt

wants to have packages like GEANT3, GEANT4, GEANT4VMC, etc and normally it cannot find these packages.

Fortunately I can easily solve this by adding the command

```
set(CMAKE_MODULE_PATH "${FAIRROOTPATH}/share/fairbase/cmake/modules_old"
    ${CMAKE_MODULE_PATH})
```

after line 41.

The second thing is that all thorough FairRoot\_install there are commands in the code like:

```
#include <boost/<<some path&file>>
```

But since there is no specification in this line where the directory boost is located, compilation of R3Broot gives trouble.

Fortunately I can solve this by running the following command in the FairRoot\_Install directory:

```
find ./ -type f -exec sed -i -e 's:#include <boost/:#include
</home/christiaan/Desktop/FAIR/FairSoft_Build/include/boost/' {} \;
```

Then I have to run this command 10 times, each with a different number of blank characters between the # and the include to make sure that I really

replace all commands with the complete path and then the problem disappears.

If more people are troubled by the same difficulties, is there a possibility to include an automatic fix inside FairRoot?

Thanks in advance!

Christiaan.

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