
Subject: Garfield++ installation
Posted by [Oleg](#) on Tue, 09 Aug 2016 10:16:32 GMT
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I tried now to start with Garfield installation again.

Did:

```
module use /cvmfs/it.gsi.de/modulefiles/  
module load compiler/gcc/4.8.4  
export CC=gcc  
export CXX=g++
```

```
./cvmfs/fairroot.gsi.de/gcc_4.8.4/fairsoft/may16_root6/bin/thisroot.sh  
export GARFIELD_HOME=/d/land2/kisselev/garfield  
export HEED_DATABASE=/d/land2/kisselev/garfield/Heed/heed++/database
```

Than:

```
svn co http://svn.cern.ch/guest/garfield/trunk garfield  
cd garfield  
mkdir build install  
cd build  
cmake -DCMAKE_INSTALL_PREFIX=/d/land2/kisselev/garfield/install  
-DROOTCINT_EXECUTABLE=rootcint ..
```

cmake ands with:

```
-- Considered magboltz files :      Source/magboltz-9.01.f  
-----  
-- Directory used to find root dict files: Include  
-- #####  
-- Install path: /d/land2/kisselev/garfield/install  
-- If you want to change this path call cmake -DCMAKE_INSTALL_PREFIX=my_install_path ...  
-- Configuring done  
-- Generating done  
-- Build files have been written to: /d/land2/kisselev/garfield/build
```

So I consider it is OK.

But than:

```
land@lxg0898:build > make  
[ 0%] generating: /d/land2/kisselev/garfield/build/rootdict/GarfieldDict.cxx  
/d/land2/kisselev/garfield/build/rootdict/GarfieldDict.h  
In file included from input_line_12:14:  
/d/land2/kisselev/garfield/Include/TrackHeed.hh:10:10: fatal error:  
'heed++/code/HeedParticle.h' file not  
found  
#include "heed++/code/HeedParticle.h"  
^  
Error: rootcint: compilation failure  
(/d/land2/kisselev/garfield/build/rootdict/GarfieldDictf4f08f87f2_dictUm brella.h)  
make[2]: *** [rootdict/GarfieldDict.cxx] Error 1
```

make[1]: *** [CMakeFiles/Garfield.dir/all] Error 2
make: *** [all] Error 2

Is it something new? Any reason?

Subject: Re: Garfield++ installation
Posted by [Dmytro Kresan](#) on Tue, 09 Aug 2016 11:39:17 GMT
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Dear Oleg,

I have updated my garfield and now have the same problem. It is obviously a bug in build configuration:

Fix:

after making checkout with svn, open the garfield/CMakeLists.txt file and directly after line number 54, add following:

```
LIST( APPEND ROOT_DICT_INCLUDE_DIRS Heed )
```

Then proceed as usual.

Best regards,
Dima

Subject: Re: Garfield++ installation
Posted by [Dmytro Kresan](#) on Tue, 09 Aug 2016 11:41:25 GMT
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Please check the fix I posted, and confirm.

Best regards,
Dima