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Subject: compiling PANDARoot  
Posted by [Yuri Naryshkin](#) on Thu, 17 Nov 2011 19:46:56 GMT  
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Dear Colleagues,  
after a short break I try to install latest version of PANDARoot on Ixi038 in my home dir. I follow the instruction described in:  
<http://cbmroot.gsi.de/installation/Installing%20PandaRoot.htm>  
Everything is working OK up to  
make

I've got an error message:  
[ 39%] Building Fortran object  
pgenerators/EvtGen/CMakeFiles/EvtGen.dir/EvtGenModels/lucomp\_beg.F.o  
[ 39%] Building Fortran object  
pgenerators/EvtGen/CMakeFiles/EvtGen.dir/EvtGenModels/lucomp.F.o  
[ 39%] Building Fortran object pgenerators/EvtGen/CMakeFiles/EvtGen.dir/Cernlib/ddilog.F.o  
[ 39%] Building Fortran object pgenerators/EvtGen/CMakeFiles/EvtGen.dir/Cernlib/ranf.F.o  
Linking Fortran shared library ../lib/libEvtGen.so  
[ 39%] Built target EvtGen  
Scanning dependencies of target EvtGen\_exe\_simpleEvtGen  
[ 39%] Building CXX object  
pgenerators/EvtGen/CMakeFiles/EvtGen\_exe\_simpleEvtGen.dir/simpleEvtGen.c.c.o  
In file included from  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.h:445,  
from /misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/LorentzVector.h:30,  
from /u/naryshk/pandaroot\_new/pandaroot/pgenerators/EvtGen/EvtGen.hh:33,  
from  
/u/naryshk/pandaroot\_new/pandaroot/pgenerators/EvtGen/simpleEvtGen.cc:11 :  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.icc: In  
member function 'void CLHEP::Hep3Vector::setX(double)':  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.icc:32:  
warning: declaration of 'x' shadows a member of 'this'  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.icc: In  
member function 'void CLHEP::Hep3Vector::setY(double)':  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.icc:33:  
warning: declaration of 'y' shadows a member of 'this'  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.icc: In  
member function 'void CLHEP::Hep3Vector::setZ(double)':  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.icc:34:  
warning: declaration of 'z' shadows a member of 'this'  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.icc: In  
member function 'void CLHEP::Hep3Vector::set(double, double, double)':  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.icc:36:  
warning: declaration of 'z' shadows a member of 'this'  
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/ThreeVector.icc:36:  
warning: declaration

.....

/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/LorentzVector.icc:356:

```
warning: declaration of 'z' shadows a member of 'this'
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/LorentzVector.icc:356:
warning: declaration of 'phi' shadows a member of 'this'
/misc/cbmsoft/Etch32/jan10/fairsoft/cern/clhep/include/CLHEP/Vector/LorentzVector.icc:356:
warning: declaration of 'rho' shadows a member of 'this'
Linking Fortran executable ../../bin/simpleEvtGen
/usr/bin/ld: warning: libgfortran.so.1, needed by
/misc/cbmsoft/Etch32/jan10/fairsoft/generators/lib/libPythia6.so, not found (try using -rpath or
-rpath-link)
/misc/cbmsoft/Etch32/jan10/fairsoft/generators/lib/libPythia6.so: undefined reference to
`_gfortran_pow_r8_i4'
/misc/cbmsoft/Etch32/jan10/fairsoft/generators/lib/libPythia6.so: undefined reference to
`_gfortran_internal_free'
/misc/cbmsoft/Etch32/jan10/fairsoft/generators/lib/libPythia6.so: undefined reference to
`_gfortran_copy_string'
/misc/cbmsoft/Etch32/jan10/fairsoft/generators/lib/libPythia6.so: undefined reference to
`_gfortran_internal_malloc'
collect2: ld returned 1 exit status
make[2]: *** [bin/simpleEvtGen] Error 1
make[1]: *** [pgenerators/EvtGen/CMakeFiles/EvtGen_exe_simpleEvtGen.dir/all] Error 2
make: *** [all] Error 2
```

Does anyone know this problem ?  
Best Regards, Yuri.

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Subject: Re: compiling PANDARoot  
Posted by [Mohammad Al-Turany](#) on Thu, 17 Nov 2011 20:34:23 GMT  
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Hallo Yuri,

You are using the wrong externals! you are on a Lenny32 linux and link against Etch32. Set your SIMPATH to Lenny32 and recompile again.

regards,

Mohammad

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Subject: Re: compiling PANDARoot  
Posted by [Yuri Naryshkin](#) on Thu, 17 Nov 2011 20:41:38 GMT  
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Dear Mohammad,  
after setting to:  
export SIMPATH=/misc/cbmsoft/Lenny32/jan10/fairsoft/  
I did cmake ../  
and make but I've got:

```
naryshk@lxi026:~/pandaroot_new/pandaroot/buildPanda $ . ./config.sh
System during compilation: Debian GNU/Linux 5.0 n l
                          i686
System now                : Debian GNU/Linux 5.0 n l
                          i686
naryshk@lxi026:~/pandaroot_new/pandaroot/buildPanda $ make
-bash: make: No such file or directory
```

```
naryshk@lxi026:~/pandaroot_new/pandaroot/buildPanda $ ls
-bash: ls: No such file or directory
```

What does it mean?

Best Regards, Yuri.

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**Subject: Re: compiling PANDARoot**  
Posted by [Mohammad Al-Turany](#) on Thu, 17 Nov 2011 20:45:43 GMT  
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Dear Yuri,

It means that somehow your PATH is not set anymore! Simply open a new shell set your SIMPATH and try again.

regards

Mohammad

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**Subject: Re: compiling PANDARoot**  
Posted by [Yuri Naryshkin](#) on Thu, 17 Nov 2011 21:28:18 GMT  
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Dear Mohammad,  
now everything is go further, but a new error appeared:

```
[ 47%] Building CXX object tpc/CMakeFiles/Tpc.dir/TestBench/PndTpcSLResidualTask.cxx.o
[ 48%] Building CXX object tpc/CMakeFiles/Tpc.dir/TestBench/PndTpcResidualTask.cxx.o
/u/naryshk/pandaroot_new/pandaroot/tpc/TestBench/PndTpcResidualTask.cxx: In member
function 'virtual void PndTpcResidualTask::Exec(const Option_t*)':
/u/naryshk/pandaroot_new/pandaroot/tpc/TestBench/PndTpcResidualTask.cxx: 260: error:
'getSmoothedPosXYZ' is not a member of 'GFTools'
make[2]: *** [tpc/CMakeFiles/Tpc.dir/TestBench/PndTpcResidualTask.cxx.o] Error 1
make[1]: *** [tpc/CMakeFiles/Tpc.dir/all] Error 2
make: *** [all] Error 2
```

Best Regards, Yuri.

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Subject: Re: compiling PANDARoot  
Posted by [Mohammad Al-Turany](#) on Fri, 18 Nov 2011 10:09:05 GMT  
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Hallo Yuri,

Is there any reason why you use the Jan10 externals? if not then maybe it would be better to use the may11, i.e:

```
export SIMPATH=/misc/cbmsoft/Lenny32/may11/fairsoft/
```

about the problem you have, I have no idea, maybe one of the TPC experts can answer this.

regards,

Mohammad

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Subject: Re: compiling PANDARoot  
Posted by [rajududhat](#) on Fri, 18 Nov 2011 13:33:31 GMT  
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This error is also come in may11

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