Posted by [Johan Messchendorp](#) on Fri, 06 Jul 2012 11:21:46 GMT

Dear all,

A new pandaroot release (copy from r15929) has been created with the name "july12". To checkout:

svn co https://subversion.gsi.de/fairroot/pandaroot/release/july12

It also includes

torinoDetector
macro/torinoDetector

which is the basis for the upcoming torino workshop. In general, this release will be the basis for the computing workshop. Modifications dedicated for the Torino meeting, please commit to the release!

Greets,

Johan.

Subject: [FIXED] Re: New pandaroot release july12
Posted by [Albrecht Gillitzer](#) on Mon, 09 Jul 2012 08:05:29 GMT

Hi Johan,

I checked out the new release as you indicated.

After doing cmake I got:

Found TEve, so the eventdisplay will be compiled.
-- Looking for Root...
-- Looking for Root... - Found /private/fairsoft/jan12/tools/root/bin/root
-- Looking for Root... - version 5.32/00
-- <MVA_INFO> Building MVA with multiClass.
CMake Error at CMakeLists.txt:180 (add_subdirectory):
  add_subdirectory given source "tutorials/torinoDetector" which is not an
  existing directory.

-- Configuring incomplete, errors occurred!

Should I just add the requested subdirectory by hand and expect that everything should work?

Best regards,
Albrecht

Subject: Re: New pandaroot release july12
Posted by Johan Messchendorp on Mon, 09 Jul 2012 08:50:47 GMT
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works again... the Torino detector is on the request of Florian removed. I forgot to remove it from the CMakelist....

j.

Subject: Re: New pandaroot release july12
Posted by Lia Lavezzi on Tue, 10 Jul 2012 16:48:25 GMT
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Hallo,
  I am trying the july12 release.

I tried with the macro: macro/run/tdrct/npipi/run_sim_stt_evt.C just to produce some simulated events.

When I try to access the data just by opening the output root file and using the TBrowser I get this message:
Quote:Warning in <TEnvRec::ChangeValue>: duplicate entry
<Library.TVirtualMagField=Base libFairTools.so libParBase.so libGeoBase.so libProof.so libGeomPainter.so libGeom.so libVMC.so libEG.so libMathCore.so libPhysics.so libMatrix.so libTree.so libHist.so libRIO.so libCint.so libCore.so> for level 0; ignored (int)0
and if I try to draw, for example, STTPoint.fX I get a peak in 0 and nothing else. The same for fY, fZ...

If I draw one of the PndSttPoint specific variables, like STTPoint.fX_out_local it works.

All this with the rootlogon.C file in the same directory where I have the root file, since if I delete it I also get, each time I try to draw something from STTPoint, a list of messages like these:
Quote:Error in <TClass::New with placement>: cannot create object of class FairMCPoint version 4 at address 0x1b63340
Error in <TClass::New with placement>: cannot create object of class FairMCPoint version 4 at address 0x1b63490
Error in <TClass::New with placement>: cannot create object of class FairMCPoint version 4 at address 0x1b635e0
Error in <TClass::New with placement>: cannot create object of class FairMCPoint version 4 at address 0x1b63730
Error in <TClass::New with placement>: cannot create object of class FairMCPoint version 4 at address 0x1b63880
This happens also for the others detectors, GEM, MVD...

It does not happen for the MCTracks.

Does anyone have any idea?
    Thank you in advance,
            Lia.

Subject: Re: New pandaroot release july12

Posted by [Johan Messchendorp](#) on Tue, 10 Jul 2012 20:52:51 GMT

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Hi,

I get the same error, also for the trunk. Florian, Mohammad,.... help?

Johan.

Subject: Re: New pandaroot release july12

Posted by [Mohammad Al-Turany](#) on Wed, 11 Jul 2012 07:27:43 GMT

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Hi,

Sorry but I cannot reproduce this problem! I just downloaded a fresh copy of the july12 release compile it and run the macro "run_sim_stt_evt.C", close the root session and open the file again, all works fine!

could it be that you have a rootlogon.C in your home directory?

regards,

Mohammad

Subject: [DONE] Re: New pandaroot release july12

Posted by [Tobias Stockmanns](#) on Wed, 11 Jul 2012 07:33:11 GMT

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Hi,

is it possible to add the latest changes in the FairWriteoutBuffer and the MVD, SDS, STT and EMC classes (rev. 16018) to the July12 release?

They fix a problem with slow particles blocking a detector element for a too long time. Therefore I had to introduce a new variable startTime.

Cheers,

Tobias

Subject: Re: New pandaroot release july12
Posted by Johan Messchendorp on Wed, 11 Jul 2012 08:16:16 GMT

to Tobias... yes, possible... will be done, hang on!

j.

Subject: Re: New pandaroot release july12
Posted by Mohammad Al-Turany on Wed, 11 Jul 2012 08:16:30 GMT

Hi Tobias,

It is done!

Mohammad

Subject: Re: New pandaroot release july12
Posted by Johan Messchendorp on Wed, 11 Jul 2012 08:18:48 GMT

damn... this guy is fast!

j.

Subject: Re: New pandaroot release july12
Posted by Lia Lavezzi on Wed, 11 Jul 2012 09:57:39 GMT

Hi Mohammad,
  in my home directory there is no rootlogon.C.

If I keep the rootlogon.C inside the directory where I am calling root I get the message:
Quote:Warning in <TEnvRec::ChangeValue>: duplicate entry
<Library.TVirtualMagField=Base libFairTools.so libParBase.so libGeoBase.so libProof.so
libGeomPainter.so libGeom.so libVMC.so libEG.so libMathCore.so libPhysics.so libMatrix.so
libTree.so libHist.so libRIO.so libCint.so libCore.so> for level 0; ignored (int)0
and then the histograms @ 0.

If I remove the rootlogon, it also shows a very long list of:
Quote:Error in <TClass::New with placement>: cannot create object of class FairMCPoint
version 4 at address 0x1b63490

but it still does not work.

Lia.

Subject: Re: New pandaroot release july12
Posted by StefanoSpataro on Wed, 11 Jul 2012 10:57:10 GMT
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I see the same in my Desktop.

Subject: Re: New pandaroot release july12
Posted by Mohammad Al-Turany on Wed, 11 Jul 2012 16:44:19 GMT
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Hallo,

This problem is related to the new root map files which we introduce lately to the FairBase packages, with this we wanted to get rid of the rootlogon.C and all the stuff of loading libraries and the order how they should be loaded. Using the root map files ROOT can load the libraries it needs on demand when the user create or try to read a class then ROOT knows which library should be loaded. The problem now: This is implemented in FairBase but not in the PandaRoot and some how we have a problem when one try to read a ROOT file in Plain ROOT (ROOT has the base classes but not the Panda part). when running the standard macros everything seems to be ok.

As a solution for now till we modify the PandaRoot CMakefiles to produce also the needed rootmap files, one should remove the path to the build/lib from the $LD_LIBRARY_PATH (when using plain root to draw some variables)

regards,

Mohammad

Subject: Re: New pandaroot release july12
Posted by Florian Uhlig on Wed, 11 Jul 2012 19:36:41 GMT
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Hi,

Quote:
As a solution for now till we modify the PandaRoot CMakefiles to produce also the needed rootmap files, one should remove the path to the build/lib from the $LD_LIBRARY_PATH (when using plain root to draw some variables)

The better solution for the time being is to remove the rootmap files from the build/lib directory. Doing this you will be not able to load the libraries automatically but since you use the

---

rootlogon.C anyway in the moment this is not a real problem.

Ciao

Florian

Subject: Re: New pandaroot release july12
Posted by Johan Messchendorp on Thu, 12 Jul 2012 08:24:26 GMT
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Is this solution for the moment OK with Lia?

j.

Subject: Re: New pandaroot release july12
Posted by Lia Lavezzi on Thu, 12 Jul 2012 08:43:19 GMT
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The solution to remove the rootmap files from the build/lib directory avoids the error messages (if I load the rootlogon.C), but the STTPoint.fX, fY... are still all 0...

Now I try the LD_LIBRARY_PATH solution...

I will let you know soon,
            Lia.

Subject: Re: New pandaroot release july12
Posted by Lia Lavezzi on Thu, 12 Jul 2012 08:50:04 GMT
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This solution works: if I remove the build/lib from the LD_LIBRARY_PATH I can open the files and see all the variables...

Many thanks!
      Lia.

Subject: Re: New pandaroot release july12
Posted by Lia Lavezzi on Thu, 12 Jul 2012 09:12:35 GMT
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I tried again the "delete the rootmap files" solution and if I remove also the rootlogon.C from my directory it works too.

So both the solutions are working!
        Thanks again,
           Lia.

Subject: Re: New pandaroot release july12
Posted by StefanoSpataro on Thu, 12 Jul 2012 09:13:47 GMT
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Ok, but which solution should we keep in svn?

Subject: Re: New pandaroot release july12
Posted by Lia Lavezzi on Thu, 12 Jul 2012 09:40:45 GMT
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I would keep the "delete *rootmap" solution since it seems easier to me.
  Lia.

Subject: Re: New pandaroot release july12
Posted by Mohammad Al-Turany on Thu, 12 Jul 2012 09:49:31 GMT
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Hi,

In fact you cannot keep any of these solutions in SVN, they are simply work around till we move the whole panda root stuff to this automatic loading and get red of all these macros loading the libraries. So this should be done latest in Turin meeting where most of you are there!

regards,

Mohammad

Subject: Re: New pandaroot release july12
Posted by StefanoSpataro on Thu, 12 Jul 2012 09:51:06 GMT
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This means we should provide a release which is not stable and that has to be fixed manually in the workshop?

Subject: Re: New pandaroot release july12
Posted by Mohammad Al-Turany on Thu, 12 Jul 2012 10:00:20 GMT
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Hi,

No, this problem show up only if you open a root file in plain root and try to draw some variables, for sim, digi, reco, etc there is no problem.

In all cases I am trying to modify the rest of the code now so that we have the automatic loading very soon! hopefully I will get it running today or tomorrow!

regards,

Mohammad

Subject: Re: New pandaroot release july12
Posted by StefanoSpataro on Thu, 12 Jul 2012 10:04:47 GMT
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Ehm,
in my contribution I will open root files with plain root drawing the data inside... this is the reason why I am concerned

---

Subject: Re: New pandaroot release july12
Posted by Florian Uhlig on Thu, 12 Jul 2012 10:12:59 GMT
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Hi Stefano,

I remove the automatic generation of the rootmap files until we find a solution for the problem. If you use the revison 16039 of the base classes or at least of the cmake subdirectory for the release the rootmap files are no longer build.

Actually I think this is not only a problem with the rootmap files. Lia reports that the problem is also present if you use the rootlogon.C macro which means loading the libraries in a different way.

Ciao

Florian

Subject: Re: New pandaroot release july12
Posted by Johan Messchendorp on Thu, 12 Jul 2012 15:08:58 GMT
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ok, I also changed the base and cmake revision to 16039 for july12 release for the moment.

j.

Posted by Mamen on Tue, 17 Jul 2012 09:04:59 GMT
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Hi guys,

I'm trying to compile PandaRoot on a MacBook Pro. The computer it's not mine, it belongs to
the institute and I only got it for the Panda Computing Week, so I have to say that I'm not an
expert in Mac OS.
Well, my problem is the following:
I installed the prerequired packages, and then I installed the external packages and compiled
them without big problems. I mean, I had to download Geant3 by hand and compile again, but
it worked. Now I'm trying to compile PandaRoot release july12.
I get the following information:

a4-42:PandaRoot_july12 moraespi$ svn info
Path: .
URL: https://subversion.gsi.de/fairroot/pandaroot/release/july12
Repository Root: https://subversion.gsi.de/fairroot
Repository UUID: 0381ead4-6506-0410-b988-94b70fbc4730
Revision: 16074
Node Kind: directory
Schedule: normal
Last Changed Author: johan
Last Changed Rev: 16045
Last Changed Date: 2012-07-12 17:07:50 +0200 (Do, 12 Jul 2012)

and when I try to compile:

a4-42:buildPanda moraespi$ make
I am here.
-- Found Subversion: /usr/bin/svn (found version "1.6.17")
-- FairRoot Revision - 16073 Branch -
https://subversion.gsi.de/fairroot/pandaroot/release/july12
[0%] Built target svnheader
[0%] Built target FairTools
[4%] Built target Base
[7%] Built target GeoBase
[8%] Built target ParBase
[12%] Built target FairDB
[12%] Built target generalTools
[13%] Built target buffers
[17%] Built target PndData
[18%] Built target Passive
[20%] Built target Field
[21%] Built target Gen
[22%] Built target PGen
Linking Fortran shared library ../../lib/libDpmEvtGen.so
/usr/bin/libtool: unknown option character `r' in: -rpath
Usage: /usr/bin/libtool -static [-] file [...] [-filelist listfile[,dirname]] [-arch_only arch] [-sacLT]
Usage: /usr/bin/libtool -dynamic [-] file [...] [-filelist listfile[,dirname]] [-arch_only arch] [-o output]

[-install_name name] [-compatibility_version #] [-current_version #] [-seg1addr 0x#]
[-segs_read_only_addr 0x#] [-segs_read_write_addr 0x#] [-seg_addr_table <filename>]
[-seg_addr_table_filename <file_system_path>] [-all_load] [-noall_load]
make[2]: *** [lib/libDpmEvtGen.0.0.0.so] Error 1
make[1]: *** [pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen.dir/all] Error 2
make: *** [all] Error 2

The point is that some of my colleagues just compiled some minutes before me a previous
updated version without problem.
Can somebody have a look to the release or tell me if I am doing something wrong?
Thank you very much in advance.

Greetings
Mamen

Subject: Re: New pandaroot release july12
Posted by Mamen on Wed, 18 Jul 2012 11:33:23 GMT
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After googling a bit I think that my problem is related with some Mac missing package, but i
didn't find how to solve the problem.

Any Mac User/Expert out there who could help me?!!!
PLEASE!!!

Cheers
Mamen

Subject: Re: New pandaroot release july12
Posted by Mohammad Al-Turany on Wed, 18 Jul 2012 12:03:53 GMT
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HI,

Do you have Mac Os Lion? if yes you need the gfortran 4.6.2.

In case you do not have it you can download it from :

http://prdownloads.sourceforge.net/hpc/gfortran-lion.tar.gz?download

Cheers,

Mohammad

Subject: Re: New pandaroot release july12
Posted by Florian Uhlig on Wed, 18 Jul 2012 14:34:41 GMT
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Hi,

Can you compile with verbose output to really see what is going wrong. You do so with

  make VERBOSE=TRUE

Please post then the last part of the output before the error occurs.

Ciao

Florian

Subject: Re: New pandaroot release july12
Posted by Mamen on Wed, 18 Jul 2012 14:36:00 GMT
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I have snow-leopard. Mac OS Version 10.6.8.

I had some help from Radeck and I installed the proper gfortran version for this MacOS... but it still doesn't work...
I'm trying to compile again the external packages installing the binaries (which I didn't do before) and I will try later again.
If it doesn't work, I will try to compile the trunk version of PandaRoot...

I accept any other suggestions...

Thanks for your help.
Mamen

Subject: Re: New pandaroot release july12
Posted by Mamen on Wed, 18 Jul 2012 15:38:32 GMT
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Hi Florian,

The output of the compilation using Verbose is the following:

Scanning dependencies of target DpmEvtGen
make -f pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen.dir/build.make
pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen.dir/requires
make[2]: Nothing to be done for
`pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen.dir/requires'.
make -f pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen.dir/build.make
pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen.dir/build

```
/opt/local/bin/cmake -E cmake_progress_report
/Users/moraespi/PandaRoot/buildPanda/CMakeFiles
[ 22%] Building Fortran object
pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen.dir/common.f.o
cd /Users/moraespi/PandaRoot/buildPanda/pgenerators/DpmEvtGen && /usr/local/bin/gfortran
-DDpmEvtGen_EXPORTS -m64 -g -fPIC -I/Users/moraespi/PandaRoot/jan12_bin/include/root
-I/Users/moraespi/PandaRoot/PandaRoot_july12/pgenerators/DpmEvtGen    -c
/Users/moraespi/PandaRoot/PandaRoot_july12/pgenerators/DpmEvtGen/common. f -o
CMakeFiles/DpmEvtGen.dir/common.f.o
 /Users/moraespi/PandaRoot/PandaRoot_july12/pgenerators/DpmEvtGen/common. f:0: nicht
implementiert: 64-bit mode not compiled in
make[2]: *** [pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen.dir/common.f.o] Error 1
make[1]: *** [pgenerators/DpmEvtGen/CMakeFiles/DpmEvtGen.dir/all] Error 2
make: *** [all] Error 2
```

Thanks for your help... I'm waiting for more ideas

Cheers,
Mamen

Subject: Re: New pandaroot release july12
Posted by Florian Uhlig on Wed, 18 Jul 2012 20:48:11 GMT
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Hi,

for me it looks like that your gfortran compiler does not support 64bit, but I wonder how you could compile geant3. Could you please check if your geant3 library is 32 or 64 bit, by doing

  file -L /Users/moraespi/PandaRoot/jan12_bin/lib/libgeant321.so

Can you post also the output of

  gfortran -v

Ciao

Florian

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 08:40:32 GMT
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Dear Florian,

This is the output I get to the commands you said:

Inst-f-Kernphysiks-MacBook-Pro:~ moraespi$ file -L
/Users/moraespi/PandaRoot/jan12_bin/lib/libgeant321.so
/Users/moraespi/PandaRoot/jan12_bin/lib/libgeant321.so: Mach-O 64-bit dynamically linked
shared library x86_64
Inst-f-Kernphysiks-MacBook-Pro:~ moraespi$ gfortran -v
Lese Spezifikationen von /usr/local/lib/gcc/i686-apple-darwin8.8.1/3.4.0/specs
Konfiguriert mit: ../gcc-3.4.0/configure --enable-languages=f77
Thread-Modell: posix
gcc-Version 3.4.0

I hope it helps.
Cheers.

Mamen

Subject: Re: New pandaroot release july12
Posted by Florian Uhlig on Thu, 19 Jul 2012 08:52:09 GMT
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Hi,

Quote:
Inst-f-Kernphysiks-MacBook-Pro:~ moraespi$ file -L
/Users/moraespi/PandaRoot/jan12_bin/lib/libgeant321.so
/Users/moraespi/PandaRoot/jan12_bin/lib/libgeant321.so: Mach-O 64-bit dynamically linked
shared library x86_64

So this is fine. The geant3 library is 64bit.

Quote:
Inst-f-Kernphysiks-MacBook-Pro:~ moraespi$ gfortran -v
Lese Spezifikationen von /usr/local/lib/gcc/i686-apple-darwin8.8.1/3.4.0/specs
Konfiguriert mit: ../gcc-3.4.0/configure --enable-languages=f77
Thread-Modell: posix
gcc-Version 3.4.0

Here I wonder. The gfortran version is rather old and the version 3.4.0 does not support 64bit
and does not fully support fortran at all. Did you change the gfortran version between compiling
the external packages and pandaroot?
Where does your gfortran installation comes from? It can not be the version recommended by
Mohammad.

If you do not succeed to install everything on the Mac pleas install VirtualBox if possible. You
can get it from

https://www.virtualbox.org/

I will prepare a complete VirtualBox image with all needed software installed already. This will enable everybody to run a complete Linux installation inside a virtual machine.

Ciao

Florian

Ciao

Florian

Subject: Re: New pandaroot release july12
Posted by Radoslaw Karabowicz on Thu, 19 Jul 2012 09:12:13 GMT
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Hi Florian,

You are correct;), there was different version of gfortran used to compile externals and pandaroot.

Check the original post by Maria - she installed xcode with gfortran and using these installed Jan12 external packages. However pandaroot installation crashed. Mohammad suggested downloading gfortran which we did (version for snow leopard). We copied the files to /usr/local/ and so we got gfortran version 3.4.0.
But this is still producing errors as you can see.

yours
radek

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 09:14:26 GMT
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HI again,

I installed gfortran first by hand, I don't remember from where did I download it.
I compiled the external packages and everything worked.
Then the compilation crashes whilst compiling pandaroot.
Yesterday I was chating via EVO with Radeck and he told me how to install the current version of gfortran (the version recomended by Mohammad in the forum is for lion or leopard and mine is snow-leopard MacOS).
I compiled again the external packages, twice, once whitout installing the binaries and the next installing them. Both times worked and I tried to compile pandaroot with the crash and the problem with the 64bits...

Well, that's how I remember it...

Cheers,
Mamen

Subject: Re: New pandaroot release july12
Posted by Florian Uhlig on Thu, 19 Jul 2012 09:30:51 GMT
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Hi Radek,

I don't know what went wrong, but if I download the package from the location suggested by
Mohammad, I get gcc 4.8.0.

demac015:bin uhlig$ ./gfortran -v
Using built-in specs.
COLLECT_GCC=./gfortran
COLLECT_LTO_WRAPPER=/Users/uhlig/Downloads/usr/local/bin/../libexec/gcc/x86_64-apple
-darwin11.4.0/4.8.0/lto-wrapper
Target: x86_64-apple-darwin11.4.0
Configured with: ../gcc-4.8-20120603/configure --enable-languages=fortran
Thread model: posix
gcc version 4.8.0 20120603 (experimental) (GCC)

Please try to do it again. The instructions how to do it can be found at

http://hpc.sourceforge.net/

Ciao

Florian

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 09:41:17 GMT
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As far as I understood yesterday, the version suggested by Mohammad is for leopard, and
what I have is snow-leopard...

I can try to install this one too... but does it really make sense? Or am I wrong and this is really
the proper version for snow-leopard?

Cheers,
Mamen

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 09:43:03 GMT
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Sorry, the version suggested by Mohammad is for Lion...

Subject: Re: New pandaroot release july12
Posted by Mohammad Al-Turany on Thu, 19 Jul 2012 10:01:02 GMT
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Hallo Maria,

and here is the one for snow-leopard:

 http://prdownloads.sourceforge.net/hpc/gfortran-snwleo-intel-bin.tar.gz? download

cheers,

Mohammad

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 10:08:50 GMT
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Right Mohammad. And this is the one I installed yesterday with the help of Radek and gives
me the version 3.4.0.

Could you try if this is the right version? Maybe I did something wrong...

I could try to delete all gfortran versions I have in the /usr/local/bin/ foder (because is starting to
be a bit messy) and try to install gfortran again, starting from scratch...

Let's see...

Mamen

Subject: Re: New pandaroot release july12
Posted by Mohammad Al-Turany on Thu, 19 Jul 2012 10:16:41 GMT
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Hi Mamen,

I looked again inside this package and it is 4.6.0, so it seems the something went wrong on
your system!

maybe you should delete the older versions first .

Mohammad

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 10:21:41 GMT
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Ok, I just deleted the old gfortran and downloaded again the version for snow-leopard.
I get now version 4.6.0.

I'm going to compile again and I'll let you know what I get.

Thanks for your help to all of you.
Mamen

Subject: Re: New pandaroot release july12
Posted by Florian Uhlig on Thu, 19 Jul 2012 10:49:23 GMT
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Hi,

please make sure that you delete your pandaroot build directory. Otherwise you can have a lot of funny effects.

Ciao

Florian

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 10:57:40 GMT
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It finally worked!

Thanks a lot to everybody for your help.

Cheers
Mamen

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 13:02:49 GMT

Sorry guys, that I disturb again.

The compilation of PandaRoot finally worked, but i just asked Dmitry how to run a macro and it seems that there is still some problem with gfortran.
I tried to run the macro:

 /Users/moraespi/PandaRoot/PandaRoot_july12/macro/run/tdrct/run_sim_stt_e vt.C

and this is what I get:

[ERROR] init() PndEmcGeoPar not initialized
[ERROR] init() PndSensorNamePar not initialized
PndEmcDigiPar initialized from Ascii file
[ERROR] init() PndEmcDigiNonuniformityPar not initialized
Error in <FairRuntimeDb::initContainers()>: Error occured during initialization
[INFO   ] PndFieldMap: Reading field map from ROOT file
/Users/moraespi/PandaRoot/PandaRoot_july12/input/TransMap.1500.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/Users/moraespi/PandaRoot/PandaRoot_july12/input/DipoleMap1.1500.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/Users/moraespi/PandaRoot/PandaRoot_july12/input/DipoleMap2.1500.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/Users/moraespi/PandaRoot/PandaRoot_july12/input/SolenoidMap1.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/Users/moraespi/PandaRoot/PandaRoot_july12/input/SolenoidMap2.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/Users/moraespi/PandaRoot/PandaRoot_july12/input/SolenoidMap3.root
[INFO   ] PndFieldMap: Reading field map from ROOT file
/Users/moraespi/PandaRoot/PandaRoot_july12/input/SolenoidMap4.root
[INFO   ] -------------- Standard Config is called -----------------------------------
Loading Geant3 libraries ...
Loading Geant3 libraries ... finished

 MZSTOR. ZEBRA table base TAB(0) in /MZCC/ at adr   97577471   5D0E9FF HEX

 MZSTOR. Initialize Store 0 in /GCBANK/
       with Store/Table at absolute adrs   97637397   97577471
                         HEX   5D1D415   5D0E9FF
                         HEX   E812   0
                  relative adrs   59410   0
       with   1 Str. in   2 Links in   5300 Low words in 4999970 words.
       This store has a fence of   16 words.

 MZLOGL. Set Log Level 0 for store 0
dyld: lazy symbol binding failed: Symbol not found: __gfortran_internal_malloc
  Referenced from: /Users/moraespi/PandaRoot/jan12/transport/geant3/lib/libgeant321.so
  Expected in: /usr/local/lib/libgfortran.3.dylib

dyld: Symbol not found: __gfortran_internal_malloc

Referenced from: /Users/moraespi/PandaRoot/jan12/transport/geant3/lib/libgeant321.so
Expected in: /usr/local/lib/libgfortran.3.dylib

... ??? ...
Will I be able to setup the software before the Workshop???

Cheers,
Mamen

Subject: Re: New pandaroot release july12
Posted by Florian Uhlig on Thu, 19 Jul 2012 13:24:50 GMT
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Hi,

Probably this has to now with the fact that you compiled the external packages and pandaroot
with different versions of gfortran. Probbaly best is to get rid of the external packages as well
as your pandaroot installation and start from scratch.

Ciao

Florian

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 16:14:30 GMT
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Hi again,

I tried to install PandaRoot again from the begining, so I created a new folder to download the
external packages and pandaroot again.

So I did svn to the external packages in this folder, then ./configure.sh, installing the binaries in
a subdirectory called jan12_bin and it worked.
Later I downloaded pandaroot, did the export SIMPATH to the new path with the new
configured external packages and did cmake ../PandaRoot_july12 in the build directory.

Here I get a new fancy error:

a4-42:buildPanda moraespi$ cmake ../PandaRoot_july12/
-- The C compiler identification is GNU 4.2.1
-- The CXX compiler identification is GNU 4.2.1
-- Checking whether C compiler has -isysroot
-- Checking whether C compiler has -isysroot - yes
-- Checking whether C compiler supports OSX deployment target flag

-- Checking whether C compiler supports OSX deployment target flag - yes
-- Check for working C compiler: /usr/bin/gcc
-- Check for working C compiler: /usr/bin/gcc -- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Checking whether CXX compiler has -isysroot
-- Checking whether CXX compiler has -isysroot - yes
-- Checking whether CXX compiler supports OSX deployment target flag
-- Checking whether CXX compiler supports OSX deployment target flag - yes
-- Check for working CXX compiler: /usr/bin/c++
-- Check for working CXX compiler: /usr/bin/c++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- The Fortran compiler identification is GNU
-- Check for working Fortran compiler: /usr/local/bin/gfortran
-- Check for working Fortran compiler: /usr/local/bin/gfortran -- works
-- Detecting Fortran compiler ABI info
-- Detecting Fortran compiler ABI info - done
-- Checking whether /usr/local/bin/gfortran supports Fortran 90
-- Checking whether /usr/local/bin/gfortran supports Fortran 90 -- yes
CMAKE_Fortran_COMPILER full path: /usr/local/bin/gfortran
Fortran compiler: gfortran
Set BuildType DEBUG
--- Found a Mac OS X System 10.6
--- Found GNU compiler collection
--- Build Type: Debug
--- Compiler Flags: -m64
-- Looking for Root...
-- Looking for Root... - Found /Users/moraespi/TurinComputingWeek/jan12_bin//bin/root
-- Looking for Root... - version 5.32/00
-- Looking for Pluto...
CMake Error at cmake/modules/FindPLUTO.cmake:45 (message):
  Looking for Pluto... - Not found
Call Stack (most recent call first):
  CMakeLists.txt:73 (find_package)

-- Configuring incomplete, errors occurred!

Any idea about what's happening now?

Cheers,
Mamen

Subject: Re: New pandaroot release july12
Posted by StefanoSpataro on Thu, 19 Jul 2012 16:17:14 GMT
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Have you seen errors in your external packages installation? Can you check if the file

fairsoft/generators/pluto/libPluto.so is present?

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 16:36:56 GMT
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I got this for the external packages:

*** Geant4_VMC compiled successfully ***
**** Checking libraries in /Users/moraespi/TurinComputingWeek/jan12_bin//lib ****
*** End installation of external packages without Errors***

and the file you mention should be here, right:

/Users/moraespi/TurinComputingWeek/jan12/generators/pluto/libPluto.so

It doesn't exist... :-S

Mamen

Subject: Re: New pandaroot release july12
Posted by Mamen on Thu, 19 Jul 2012 17:25:37 GMT
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Maria Carmen Mora Espi wrote on Thu, 19 July 2012 18:36

libPluto.so

It doesn't exist... :-S

but it didn't exist either in the previous panda root that finally I could compile but it didn't work...
:-S

Subject: Re: New pandaroot release july12
Posted by Florian Uhlig on Fri, 20 Jul 2012 06:36:47 GMT
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Hi,

Are you sure the SIMPATH was set correctly? I made the same mistake myself today.
I have inside the fairsoft_jan12 directory which was check out from the repository a directory

---

install where everything is installed. If I set the SIMPATH to fairsoft_jan12 cmake crashes with the same error. The funny thing is that Root is found even if the PATH is not correct.

If I set the SIMPATH correctly to fairsoft_jan12/install everything works as expected.

Ciao

Florian

Subject: Re: New pandaroot release july12
Posted by Mamen on Fri, 20 Jul 2012 12:45:28 GMT
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Hi everybody,

I finally could compile PandaRoot and the macros work.

I tried to install everything from the beggining yesterday.
I checked twice that the path was set before correctly to the directory with the external packages, but it still didn't work.

Finally today I tried to install everything again from the beggining. The only difference is that this time I didn't set a directory for installing the binaries. So, it seems that the problem is somewhere there. So, I compiled the external packages without problem and then PandaRoot also without errors.

With the help of Dmitry, I just run the macro called "run_sim_stt_evt.C"

Although I don't understand yet what the macro does, it seems that everything finally works.

Thanks a lot for your help, suggestions, and time.
See you on Monday!

Mamen

Subject: Re: New pandaroot release july12
Posted by StefanoSpataro on Fri, 20 Jul 2012 12:57:05 GMT
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Champagne!!!!
Thanks to spend some time doing such many tries...