
Subject: fails to launch an analysis task in Kronos
Posted by [zeeking](#) on Sun, 08 Oct 2017 14:59:22 GMT
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Dear all,

Previously I have built an analysis task with our local computing cluster HIMster, and everything works fine.

Today I move to Kronos, because the DPM mass production samples are stored there. However, my analysis task can not be compiled anymore, with the following strange error report:

```
-----  
[ 91%] Built target SciT  
[ 94%] Built target Hyp  
[ 94%] Built target Tracking  
[ 94%] Built target MCMatchNewLinks  
/u/zliu/nyx/pandaroot/tutorials/charmonium/dwave_charmonium/src/PndPsi38 23.cxx:41:25:  
fatal error: Pnd4CFitter.h: No such file or directory  
#include "Pnd4CFitter.h"  
          ^  
compilation terminated.
```

In my source code, I have the following lines:

```
// Analysis headers  
#include "PndAnalysis.h"  
#include "Pnd4CFitter.h"  
#include "PndKinVtxFitter.h"  
#include "PndKinFitter.h"  
#include "PndVtxPoca.h"
```

```
using std::cout;  
using std::endl;
```

Does anyone know how to solve it? I am using the PandaRoot feb17.

thanks.

Subject: Re: fails to launch an analysis task in Kronos
Posted by [Ralf Kliemt](#) on Mon, 09 Oct 2017 06:32:38 GMT
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Hi zeeking,

I would advise to use the Rho* names for the fitters. Just Replace

```
#include "PndAnalysis.h"
#include "Pnd4CFitter.h"
#include "PndKinVtxFitter.h"
#include "PndKinFitter.h"
#include "PndVtxPoca.h"
```

with

```
#include "RhoAnalysis.h"
#include "Rho4CFitter.h"
#include "RhoKinVtxFitter.h"
#include "RhoKinFitter.h"
#include "RhoVtxPoca.h"
```

Alternatively you can add in your CMakeLists.txt the PndTools/PndParticleFitters folder.
However, this folder will be discontinued.

Cheers!
Ralf

Subject: Re: fails to launch an analysis task in Kronos
Posted by [zeeking](#) on Mon, 09 Oct 2017 13:07:30 GMT
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Hi, Ralf,

Thanks for the reply and suggestion. Unfortunately none of these options works.

I have tried to replace "Pnd" by "Rho", it still fails to find the head file.
I also have check the CMakeLists.txt file, the sentence

add_subdirectory (PndTools/PndParticleFitters)

was there, but nothing helps. Instead, in my previous version, without this sentence in the CMakeLists.txt file, I can succeed to find the head file and compile.

Best Regards,
Zhiqing

Subject: Re: fails to launch an analysis task in Kronos
Posted by [zeeking](#) on Mon, 09 Oct 2017 13:33:21 GMT
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Hi, Ralf,

This is for your further information/question again. May be you are the only one who can answer it.

I try to include the head file "Pnd4CFitter.h" by add the absolute path, but the compiler tell me "

/u/zliu/nyx/pandaroot/PndTools/PndParticleFitters/Pnd4CFitter.h:12:25: fatal error:

Rho4CFitter.h: No such file or directory

```
#include "Rho4CFitter.h"
```

 \wedge

compilation terminated.

11

Then I further have a look at the file "Pnd4CFitter.h" & "Pnd4CFitter.cxx", it's almost empty !

Here I print out "Pnd4CFitter.cxx", only one sentence inside:

```
#include "Pnd4CFitter.h"
```

And "Pnd4CFitter.h":

```
#ifndef Pnd4CFitter_h
```

```
#define Pnd4CFitter_h
```

////////////////////////////////////

//

```
// Pnd4CFitter
```

//

```
// A typedef for convenience
```

// Author R.Kliemt 2014 GSI

//

// //

////////////////////////////////////

```
#include "Rho4CFitter.h"
```

```
typedef Rho4CFitter Pnd4CFitter;
```

```
#endif
```

I am wondering, is this an error due to my PandaRoot installation?

Or in this PandaRoot version-feb17, the 4C fitter is still not prepared?

If the later case is true, can I just copy the 4C fitter source files back

from an early version and compile again?

Thanks for your answer.

Best Regards,

Zhigang

Subject: Re: fails to launch an analysis task in Kronos
Posted by [Ralf Kliemt](#) on Mon, 09 Oct 2017 13:56:46 GMT
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Hi Zhiqing,

Well, did you load your config.sh?

What does your CMakeLists.txt look like? You need to add the proper dependencies, and it should include:

```
set(DEPENDENCIES Base Rho RhoFitter)
```

Cheers!
Ralf

Subject: Re: fails to launch an analysis task in Kronos
Posted by [Ralf Kliemt](#) on Mon, 09 Oct 2017 13:57:56 GMT
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Oh and:

I moved the code of the fitters to the Rho package and made the typedef (i.e. almost empty files) to have the backward-compatibility.

Cheers!
Ralf

Subject: Re: fails to launch an analysis task in Kronos
Posted by [zeeking](#) on Mon, 09 Oct 2017 14:29:24 GMT
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Hi, Ralf,

Here is my CMakeLists.txt file, can you help me have a quick look for what is missing?

```
/u/zliu/nyx/pandaroot/CMakeLists.txt
```

After adding "set(DEPENDENCIES Base Rho RhoFitter)", it stills report the same compile error.

thanks.

Best Regards,
Zhiqing

Subject: Re: fails to launch an analysis task in Kronos

Posted by [Ralf Kliemt](#) on Mon, 09 Oct 2017 14:51:12 GMT

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hi,

I took a look to your code on NYX.

Please add the Dependencies to RhoFitter to
/SAT/nyx/panda/zliu/pandaroot/tutorials/charmonium/dwave_charmonium/src/ CMakeLists.txt
as well as the include path \${CMAKE_SOURCE_DIR}/rho/Rhofitter

That shall do the trick.

Cheers!

Ralf
