Subject: [FIXED] method missing in RhoCandidate
Posted by Anastasia Karavdina on Wed, 19 Jun 2013 11:48:11 GMT

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Hi!
I tried to compile macro/lmd and got following error:

../../lib/libRho.so.0.0.0: undefined reference to `RhoCandidate::Daughter(int) const'

My guess this method is missing in cxx file.
Can expert check it, please?

To reproduce this, please, add following line in $PANDAROOT/macro/CMakeLists.txt:

add_subdirectory(lmd)

Best regards,
Anastasia.

Subject: Re: method missing in RhoCandidate
Posted by Ralf Kliemt on Wed, 19 Jun 2013 12:52:21 GMT

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Hi Anastasia,

I'll follow up that issue.

Two remarks here:
Please try to get your lmd package into the standard compilation, that such issues are found on the spot during development. Simply ask Stefano to add it into the CMakeLists.
The second thing is why do you depend on rho? Your lmd package is a detector package which should do Monte-Carlo, Digitization, Reconstruction. That's, to my understanding, the convention on detector packages. Rho, however is used for physics analysis on particle candidates. If you happen to do physics analysis and you put it to your lmd package I'd encourage you simply to create a new one for that. This will also avoid a circular dependency between the libraries.

If you get stuck, just ask again. I'll be off sorting the issue from above.

Cheers
Ralf

Subject: Re: method missing in RhoCandidate
Posted by StefanoSpataro on Wed, 19 Jun 2013 12:56:22 GMT

She is speaking about macro/lmd and not lmd packahe, which is already in the global compilation.
I have seen the macro/lmd cmakelist is following the old structure. You should updated it as Radek has shown several seevogh meetings ago.

Subject: Re: method missing in RhoCandidate
Posted by Anastasia Karavdina on Wed, 19 Jun 2013 13:14:11 GMT

Hi Ralf,
Yes, Stefano is right, I am speaking about macro/lmd.
This dependences issue is bothering me since LMD started to use Kalman Filter from GenFit. As far as I remember it required many other systems libraries due to interface and somehow Rho was also needed (maybe because of dependences from Rho in other system)
I haven't check is it still issue now or not. But getting rid of other system dependences in our ToDo list. Thank you for advice.

Stefano, can you, please, post the link to Radek's talk? I can't find it.

Cheers,
Anastasia.

Subject: Re: method missing in RhoCandidate
Posted by StefanoSpataro on Wed, 19 Jun 2013 13:45:14 GMT

Sure:

 http://panda-wiki.gsi.de/pub/Computing/Minutes27May2013/20130527_cmakeli sts.pdf

In theory in this way everything should be done automatically (hopefully). please update your cmakelists, and if it is still producing errors write here so that we can check. However, I feel this depends on the old structure, sicne all the other cmakelists are organized in a different way now. Radek did not check the cmake files not included in the global compilation, this is the reason why you have still the old scheme.

Subject: Re: method missing in RhoCandidate
Posted by Ralf Kliemt on Wed, 19 Jun 2013 13:52:37 GMT

Hi.

I also updated how RhoCandidate is used. Now it's pointers only! Since your macro/lmd is not compiled by default I did not notice that there will be changes necessary.

I'll postpone fixing that to tomorrow as I'm not in the office (and therefore lack the comfortable development tools).

Cheers.
Ralf

Subject: Re: method missing in RhoCandidate
Posted by Ralf Kliemt on Wed, 19 Jun 2013 15:22:15 GMT
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Well.

You don't actually use the Analysis tools there, but the geralTools library. Why it's looking somewhere else is a mystery. BUT. I put a quick fix to the svn (commented a not implemented version of RhoCandidate::Daughter(int)) which was not that obvious.

I'll think of taking AnalysisTools off from the PndTools folder. Is that OK, Stefano?

Cheers
Ralf

Subject: Re: method missing in RhoCandidate
Posted by StefanoSpataro on Wed, 19 Jun 2013 15:43:53 GMT
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Where to put it?

Subject: Re: method missing in RhoCandidate
Posted by Anastasia Karavdina on Wed, 19 Jun 2013 21:37:54 GMT
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Hi!

Ok, I cleaned dependences in lmd for packages as well as for macros
No dependence from Rho any more

Thank you both for your help!

Cheers,
Anastasia.