
Subject: Error in Installing on MAC OSX

Posted by [Michael Kunkel](#) on Wed, 25 Jul 2012 23:52:09 GMT

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Hello,

I am attempting to install pluto++ on a Mac OSX Lion.

For the plug PSaidLowEnergy, I get the following error.

```
plugins/scatter_mod/PSaidLowEnergy.cc:201: error: call of overloaded 'pow(long double, double&)' is ambiguous
/Users/Mike/root/include/TMath.h:390: note: candidates are: double pow(double, double)
```

Subject: Re: Error in Installing on MAC OSX

Posted by [Ingo Froehlich](#) on Wed, 01 Aug 2012 11:45:40 GMT

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I have no MAC to test this error, but maybe you could try to change all "pow" functions where the cast to "long double" is used to "powl"

Subject: Re: Error in Installing on MAC OSX

Posted by [Michael Kunkel](#) on Mon, 06 Aug 2012 16:30:33 GMT

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I had tried that, and it worked.

PLUTO built without error codes, but will not run.

Whenever I attempt to execute a macro I get errors.

I know you have no Mac to test on. But here is a simple macro that gets denied.

```
#include "TH1.h"
#include "TH2.h"
#include "TH3.h"
#include "TChain.h"
#include "TCanvas.h"
#include "TF1.h"
#include "/Users/Mike/Pluto/INSTALL_DIR/loadPluto.h"
#include "/Users/Mike/Pluto/INSTALL_DIR/include/pluto/PParticle.h"
#include "/Users/Mike/Pluto/INSTALL_DIR/include/pluto/PReaction.h"
#include "/Users/Mike/Pluto/INSTALL_DIR/include/pluto/PBeamSmearing.h"

void SIMULATE_Eta_Dalitz(){

    gROOT->Reset();

    PReaction my_reaction("_P1 = 2.2","g","p","p eta [dilepton [e+ e-] g]","eta_",1,0,0,0);
```

```
my_reaction.Loop(25000);  
}
```

Error: PReaction() declared but not defined SIMULATE_Eta_Dalitz.C:16:
Error: ~PReaction() declared but not defined SIMULATE_Eta_Dalitz.C:16:
*** Interpreter error recovered ***

Subject: Re: Error in Installing on MAC OSX
Posted by [Ingo Froehlich](#) on Mon, 06 Aug 2012 16:38:13 GMT
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I think its a linking problem

Could you try to do "make Pluto"? It should do a dummy linking to an executable

Subject: Re: Error in Installing on MAC OSX
Posted by [Michael Kunkel](#) on Mon, 06 Aug 2012 18:01:06 GMT
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When I "make Pluto"
I get message that libraries are done
ie:
Mike-Kunkels-MacBook:pluto_v5.40 Mike\$ make
Libraries done.

I have an libPluto.a libPluto.dylib libPluto.so
In my rootlogon.C I link to the libPluto.so

Is there something else I am missing?

Subject: Re: Error in Installing on MAC OSX
Posted by [Ingo Froehlich](#) on Mon, 06 Aug 2012 21:40:37 GMT
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So not a linking error...

Does this error happen with all macros?

BTW what is libPluto.dylib?

Subject: Re: Error in Installing on MAC OSX

Posted by [Michael Kunkel](#) on Mon, 06 Aug 2012 22:31:38 GMT

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Yes this error occurs with all macros that I use for PLUTO.

libPluto.dylib was a dynamic link created by the .sh script used to build PLUTO.

The makefile that comes with PLUTO does not work for Mac OS X.

So what I noticed was that there was a path for a PLUTO installation in the HADES simulation installation package. I modified that script to install PLUTO on Mac OS X.

PLUTO installed correctly without errors, so I am assuming the script worked.

I am attaching the scripts. All that needs to be run is configure.sh

File Attachments

1) [PLUTO_INSTALL.tar](#), downloaded 220 times

Subject: Re: Error in Installing on MAC OSX

Posted by [Michael Kunkel](#) on Tue, 21 Aug 2012 06:37:51 GMT

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Greetings

I have solved this small hiccup.

I am attaching a .tar file which will install PLUTO++ >= 5.4 on any UNIX machine.

Was tested on Ubuntu, and Mac 10.7.4 Lion

Instructions:

Untar PLUTO_UNIX_Install.tar in the directory where pluto_v5.40.x

is located. Change directory to PLUTO_INSTALL_scripts

```
cd PLUTO_INSTALL_scripts
```

```
source configure.sh
```

By default PLUTO will be installed in the pluto_v5.40.x directory,
however there is an option to install in in any directory.

I hope this helps anyone trying to use PLUTO on a Mac.

Michael

File Attachments

1) [PLUTO_UNIX_Install.tar](#), downloaded 346 times
