
Subject: EvtGen: Some Errors and Solutions

Posted by [Andrey Zorin](#) on Tue, 14 Oct 2008 10:23:48 GMT

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I am thinking this topic will be useful someone.

I want very short describe errors and their solution ONLY for my computer:
for Gentoo, 2.6.25-r7, amd64, gcc-4.1.2

I did standard instruction:

- 0) emerge cernlib-2006 cern-montecarlo
- 1) install fairsoft;
- 2) install panda;

Script files is VERY BETTER then in this spring. Thanks!!
(one week installing process replace one half day)

Follow:

<http://panda-wiki.gsi.de/cgi-bin/view/Computing/PandaRootCharmoniumTutorial>

BIG Thanks to: DipakMishra and SoerenLange

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for useful instructions!

1) EvtGen:

Errors:

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```
>./configure  
not find library
```

Because no path to library.

```
>make  
error: makedepend not defined Method::.....
```

Because no path to *. files and not linked some ROOT libraryes.

Solution:

in configure:

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```
export CERN_ROOT=/usr  
(if cernlib installed from gentoo emerge)
```

```
echo "EVTPYLIB=Pythia6" >> config.mk
```

in config.mk

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EVTDEPINC add path to gcc library (gcc is not fine tuning)

EVTLINK add path to fairsoft/generators/lib

in EVTSYSLIB replace -lg2c follow lib -lgfortran

EVTPYLIB=Pythia6

(links on this library in fairsoft/generator/lib/;

library fairsoft/generator/Pythia6/

Match casse!)

(find)

in Makefile,

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sections panda/bin

add -IRIO -IMathCore -IThread -pthread -lm -rdynamic -ISQL -INet

(all ROOT library

> root-config --libs)

2) Simulation:

Error: TpcDetector not defined....

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Probably some mistake in file - not correct downloads.

I taken run_sim1.C and entered corrections.

3) Reconstruction:

Error:....

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in mymacro.C

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Corrections

TTree *t=(TTree*)f->Get("cbmsim");

and

TpcLheTrack replace PndTpcLheTrack

(you can see tree follow command: new TBrowser())

Scincery, Andrey