Subject: pythia compilation
Posted by donghee on Sat, 19 Sep 2009 09:03:36 GMT

Dear all,

I have some trouble during pythia compilation.

I'm trying to compile pythia scripts using july09 fairsoft version
under etch64 bit machine.

When I do ./job.sh example, I have got following error messages.
First and last sentences look like this....
Quote:
compilation...
/usr/bin/ld: Warning: size of symbol `pyint6_' changed from 1608 in /tmp/ccUR3mvM.o to
14028 in /misc/cbmsoft/Etch64/jul09/fairsoft/generators/pythia6/pythia6319.o
/misc/cbmsoft/Etch64/jul09/fairsoft/generators/pythia6/pythia6319.o: In function `pytest_':
pythia6319.f:(.text+0x106a): undefined reference to `_gfortran_st_write'
pythia6319.f:(.text+0x10aa): undefined reference to `_gfortran_transfer_real'
pythia6319.f:(.text+0x10e9): undefined reference to `_gfortran_transfer_real'

....

/misc/cbmsoft/Etch64/jul09/fairsoft/generators/pythia6/pythia6319.o: In function `pytime_':
pythia6319.f:(.text+0x2dc47e): undefined reference to `_gfortran_idate_i4'
pythia6319.f:(.text+0x2dc4d4): undefined reference to `_gfortran_itime_i4'
collect2: ld returned 1 exit status
+++++++++++++COMPILATION FINISHED+++++++++++++++++

I think that I have a problem to access g77 fortran compiler.
I found already cernlib in
export CERN_ROOT=/cern/2006-etch64-g77

I guess that I have to set this path in job.sh....
Could you probably show me how do I to perform that in job.sh?

Donghee

Subject: Re: pythia compilation
Posted by StefanoSpataro on Sat, 19 Sep 2009 11:51:09 GMT

It seems that pythia between the external packages is compiled with gfortran, while you are using cernlib (CERN_ROOT) compiled with g77.
Try to use gfortran for both.

Subject: Re: pythia compilation
Posted by donghee on Sat, 19 Sep 2009 13:25:21 GMT

Dear all and stefano,

Changing from g77 to gfortran works!
Compilation seems to be OK, I have an executable file.
But just one warning sentence, something like this.

Quote:
compilation...
/usr/bin/ld: Warning: size of symbol `pyint6_' changed from 1608 in /tmp/ccDg4lg9.o to 14028 in /misc/cbmsoft/Etch64/jul09/fairsoft/generators/pythia6/pythia6319.o
+++++++++++++++COMPILATION FINISHED+++++++++++++++++

Anyhow event should be generated without problem....
Thanks a lot!

Cheers
Donghee