Subject: New External packages
Posted by Mohammad Al-Turany on Thu, 13 Mar 2008 12:17:15 GMT
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Hallo,

The new external packages are now available from fairroot.gsi.de, the tar file fairsoft.tar.gz include:

ROOT 5.18
Geant4 4.9.1
Geant3.21+vmc.1.9
VGM 3.0
Geant4 VMC (r331)
CLHEP 2.0.3.1
ApMon -Application Monitoring API for C++ (v. 2.2.2)
Cmake 2.4.7 (optional)
GSL (GNU Scientific Library)
PLUTO (v.412)
Pythia6
New configuration scripts for linux and Mac OS X

untar fairsoft.tar.gz and run the configure.sh script.

we tested this on the following sysems:

Mac OS X 10.5
Debian Sarge 32 and 64 bit
Debian Etch 32 and 64 bit
Fedora Core 5 (icc 10.0)
Fedora Core 8 (gcc and gfortran)
Open Suse 10.1
Open Suse 10.3

The SVN head of Cbmroot works fine with these packages!

among the new features in fairroot:

1. New Flags for simulation (can be set from macro):

SetPythiaDecayer(Bool_t decayer) : switch On/Off external decayer (Pythia)
SetUserDecay(Bool_t decay) : switch On/Off user defined decay. If true gconfig/UserDecay.C macro will be called

SetRadLenRegister(Bool_t value) : switch on/off the radiation length register module

2. New mode for fast simulation:
primGen->DoTracking(kFALSE);

in a simulation macro setting this flag will prevent the transport in Geant3/4 transport is parametrized via tasks (see pandaroot/fsim)

3. New variable GEOMPATH
   setting this environment variable, the framework will look for the detector geometry specified in detector ctor first in this path and then in the input directory (pandaroot/input or cbmroot/input)

regards

Mohammad

Subject: Re: New External packages
Posted by Supriya Das on Tue, 18 Mar 2008 08:48:45 GMT
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Dear all,

I have installed the new external packages on my SuSe10.3 machine without any problem.

I could also run the simulation with the SVN head version. But the reco run fails. I had a look at the Dashboard and noticed that there also the reco run fails exactly at the same point.

Could anybody please have a look at this?

Regards,
supriya
