
Subject: Re: Geant4: problem with set seed and cuts
Posted by [Mohammad Al-Turany](#) on Wed, 07 Oct 2009 14:58:16 GMT
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Hi,

Can you try to use:

```
/random/setSeeds myseed myseed ((G4 setSeeds requires at least two long values))
```

where myseed is the seed number you like.

the other method is normally used to restore the status of the random generator and need an input file which should contain the about 98 numbers presenting the HepJamesRandom engine status (it is a CLHEP package).

With the cuts, did you change anything in the g4Config.C? because the cuts will be used if your configuration has the option "stepLimiter+specialCuts+specialControls" setted in the TG4RunConfiguration. I tested the trunk version and using the macro/qa/QAmacro_sim_G4.C and get the following:

as it is:

```
-I- PndStack: Number of primaries      = 23  
          Total number of particles   = 11514  
          Number of tracks in output  = 1938
```

now set the cutb in SetCuts.C to 1.0E-5

```
-I- PndStack: Number of primaries      = 23  
          Total number of particles   = 22269  
          Number of tracks in output  = 3967
```

so it seems to work! can you please control your g4Config.C ?

regards

Mohammad