
Subject: Random seed in Geant4?

Posted by [StefanoSpataro](#) on Tue, 05 Jul 2011 11:39:05 GMT

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Hi,

launching some Geant4 simulations have noticed the following message:

```
Adding SpecialPhysicsList stepLimiter+specialCuts+
```

```
Visualization Manager instantiating with verbosity "warnings (3)"...
```

```
Geant4 has been created.
```

```
-l g4Config() using g4conf macro: /home/spataro/may11/pandaroot/gconfig/g4config.in
```

```
***** COMMAND NOT FOUND </random/SetSeeds 1309865603 1309865603 > *****
```

```
SetCuts Macro: Setting Processes..
```

```
SetCuts Macro: Setting cuts..
```

```
++++ TG4Warning: ++++
```

```
  TG4G3CutVector::CheckCutValue:
```

```
  PPCUTM cut value 1 MeV is lower than 2*e_mass.
```

```
  The cut will be ignored.
```

```
+++++
```

I suppose something has changed with the new G4 version, that should be fixed in the code.

Subject: Re: Random seed in Geant4?

Posted by [Ivana Hrivnacova](#) on Tue, 13 Mar 2012 10:04:50 GMT

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The command is not:

```
/random/SetSeeds 1309865603 1309865603
```

but

```
/random/setSeeds 1309865603 1309865603
```

Ivana

Subject: Re: Random seed in Geant4?

Posted by [StefanoSpataro](#) on Tue, 13 Mar 2012 14:28:30 GMT

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Dear Ivana,

thanks for taking a look. I have fixed it.

Meanwhile I have also the following message:

```
-l g4Config() using g4conf macro: /home/spataro/jan12/pandaroot/gconfig/g4config.in
```

```
***** Illegal application state </run/particle/dumpCutValues> *****
```

```
***** Batch is interrupted!! *****
```

Coming from a:

/run/particle/dumpCutValues

line of the g4config.in. Is this the line making load the cuts a-la-geant3 into g4? What is wrong there?

Thanks in advance.

Subject: Re: Random seed in Geant4?

Posted by [Ivana Hrivnacova](#) on Tue, 13 Mar 2012 15:01:02 GMT

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Hi Stefano,

The allowed application states for this command were changed in Geant4 9.5, you can now call it only in Idle state, what means after initialization of MC.

So if you want to keep this command in your configuration file, you have to call it after yourApplication->InitMC();

See geant4_vmc/example/E06 and g4config2.in macro, which is called at Idle state of Geant4.

Best regards,

Ivana
