

Hi all,

I tried to reproduce this problem, so I switched on only the emStandard list for G4 in the VMC which correspond to the PhysListEmStandard.cc used in native G4, i.e:

```
Config()
{
....
TG4RunConfiguration* runConfiguration
    = new TG4RunConfiguration("geomRoot", "emStandard");
...
}
```

The result was as you can see in the attached figures some how acceptable!! So it seems that all the problem comes from the combination of the physics lists in VMC. So we need to investigate further what is going on here!

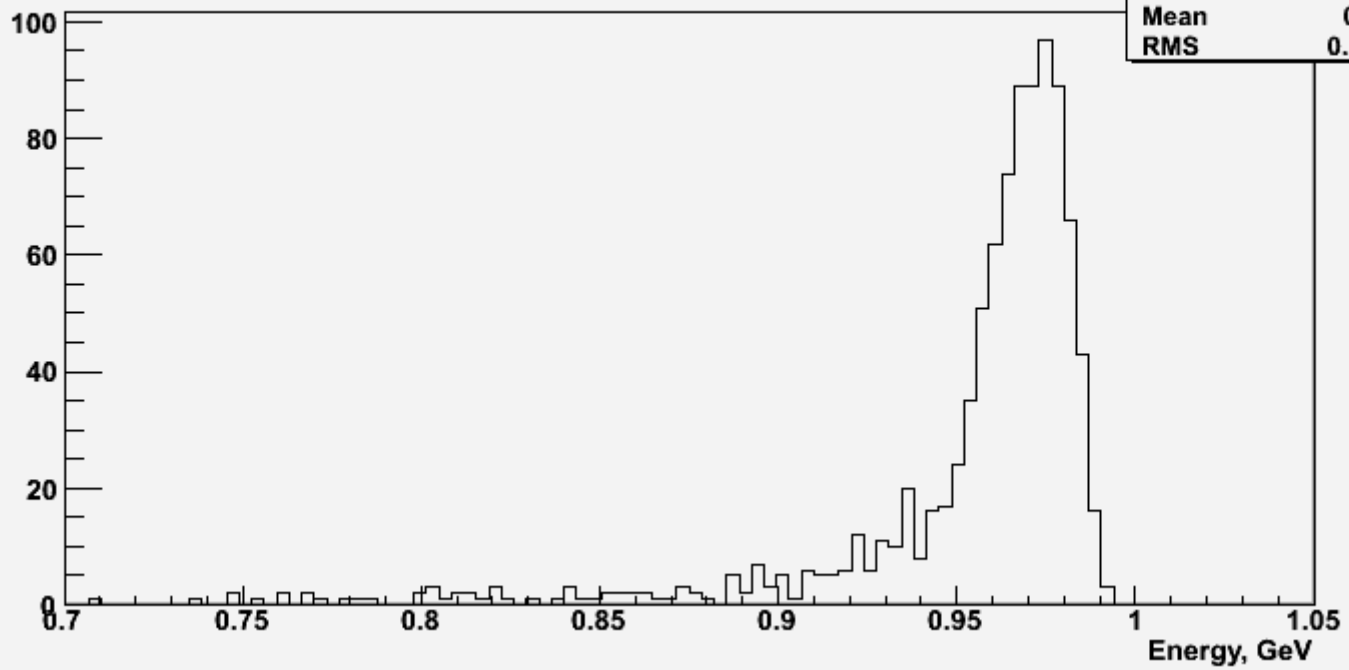
and drawing both over each other (G4 in red )

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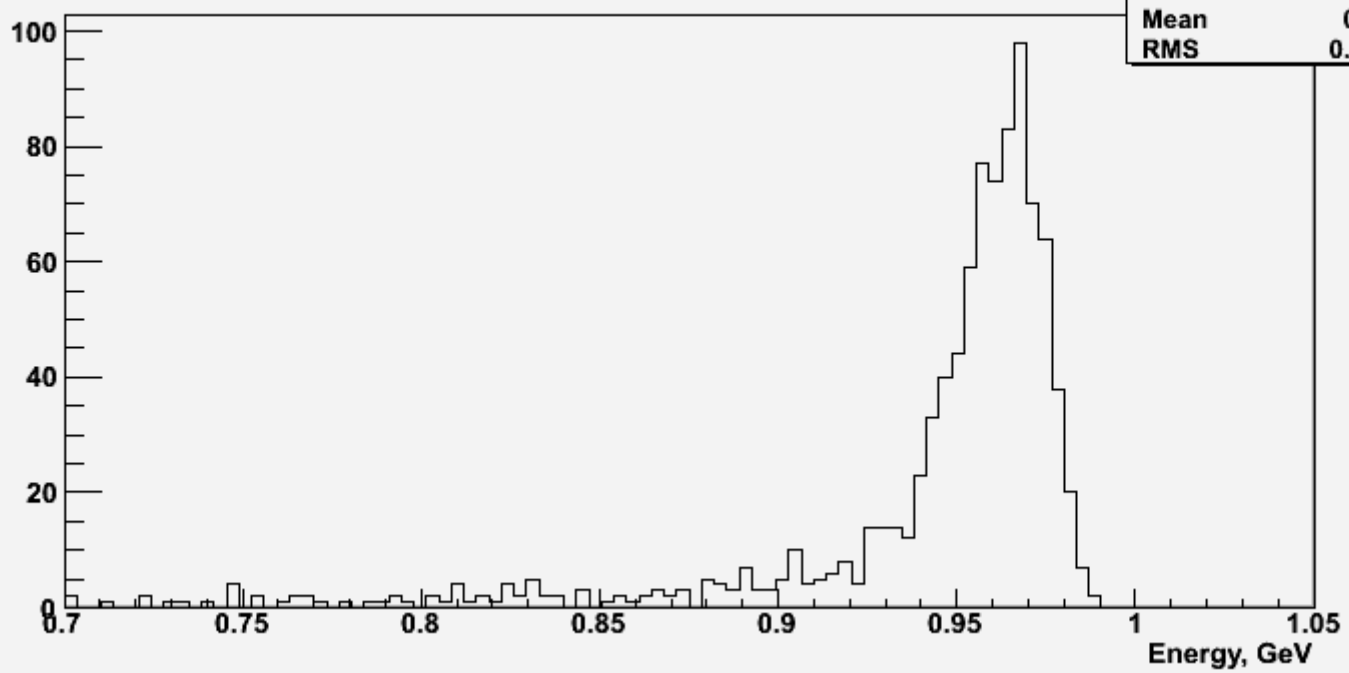
### File Attachments

1) [g3\\_g4.gif](#), downloaded 1117 times

Cluster energy of 1 GeV photon (Geant 3)



Cluster energy of 1 GeV photon (Geant 4)



2) [g3\\_g4\\_overlap.gif](#), downloaded 1221 times

## Cluster energy of 1 GeV photon (Geant 3)

