

Hi Donghee,

> What about random seed during the production?

In Geant4 and in FTF is used a random number generator implemented in Pythia. It is not start from a single number. It is not start from computer time. To download final generator state it is needed to open in PbarP.mac or PbarA.mac the line

```
//#saverand
```

If it is given #saverand, the state will be saved in file initial.conf after each event.

It requires some additional time. After last event, the state will be saved.

You can continue your job with final stored state, if you open in the mac-files the following lines

```
//#initrand  
//initial.conf
```

> If I do two times without change option string, output will be
> different?

No. It will be the same.

```
> ./FTFGen PbarP.mac | mv FTF.root FTF_1.root  
> ./FTFGen PbarP.mac | mv FTF.root FTF_2.root
```

It will be an exact copie.

> or Do I need some more action to get different events from output?

You'll need as described above.

Best regards!
Aida