
Subject: Re: new FTF generator in pandaroot
Posted by [Aida Galoyan](#) on Wed, 17 Sep 2014 16:13:34 GMT
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Hello Anastasia,

>I had a look at main.cc file in pgenerators/FtfEvtGen and came
>to conclusion that elastic >scattering is included, but only hadronic part of it.
>Is it right?
>It would be nice to have option to switch off elastic part and
>use only inelastic mode, as it was before in DPM.

It is not possible, because for FTF generator in PandaRoot, I apply to Geant4 lib and can not change compiled source files of FTF.

But, you can obtain only inelastic events using FtfEvtGen/main.cc .

For this, you need to add in the main.cc after line

```
-----  
if(std::abs(pd->GetBaryonNumber()) < 2)  
-----
```

line

```
-----  
if( (n>2) || ((abs(id)!=2212)&&(n==2)) ) {  
-----
```

and after line

```
-----  
new((*fEvt)[cnt++]) TParticle(fparticle);  
-----
```

to add

```
-----  
}  
-----
```

After this, it is needed to compile FTF.

About "MeV" or "GeV", thank you, I didn't draw attention to it.
Just now, I have changed and committed main.cc .
Output particles are stored in GeV.

Good luck
Aida
