
Subject: Re: new FTF generator in pandaroot
Posted by [Aida Galoyan](#) on Wed, 24 Sep 2014 12:50:50 GMT
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Hi Donghee,

I explained difference between ftfp and ftfb in the file README.txt in the FtfEvtGen folder.

I do it again.

ftfp is the FTF + Preco model.
ftfb is the FTF + Binary cascade model.

FTF is taken from Geant4 lib.
Preco and Binary Cascade model are also Geant4 models and added for low energy secondary particles interactions in the nucleus.
Binary Cascade model takes into account all cascading processes.
Preco model is simplified model, taking into account only absorption processes.

For Pbar-P interactions use ftfp.

For Pbar-Nucleus interactions, one can use ftfp or ftfb.
There will be difference between ftfp and ftfb calculations, (especially for heavy nuclei)
but ftfp works faster than ftfb. However, ftfb gives more precise results for secondary nucleons.

Other models(QGSp, QGSb, Bertini,...)are not aimed for Pbar-P or Pbar-Nucleus processes. Corresponding task can be crash.

Best regards
Aida