Subject: Re: Beam profile or interaction point
Posted by donghee on Tue, 02 Jun 2009 14:14:07 GMT
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Thank you for your helpful answer.

The script looks quite useful in any case.
Actually, my output file is saved with primary vertex position (0,0,0) in the ascii file.
I call this file in the macro level during the simulation run.

There are two choice.
I can make the smearing in the fortran code of generator, this is not convenient,
or I can do it in the panda macro level.
I prefer the latter.
To do that, I have to keep momentum information from ascii file and just put smearing vertex position as you recommended.

Quote:
// mean location of the target
Vertex.SetXYZT(0,0,0,0); // zero by default
// smearing of the primary vertex (Gauss with the above mean, and this sigma)
TVector3 VtxRes(.1,.1,.2); // what target smearing do you want???
TParticle BeamTarget(999,1,0,0,0,0,s,Vertex);
PndReaction reaction(BeamTarget, VtxRes, "PhiPhi.root");

Quote:
FairPrimaryGenerator* primGen = new FairPrimaryGenerator();
fRun->SetGenerator(primGen);

PndPythiaGenerator* pygen=new PndPythiaGenerator(inFile.Data());
primGen->AddGenerator(pygen);

fRun->SetStoreTraj(kTRUE);

I think that I have to combine some function of PndReaction with PndPythiaGenerator.
I'm not clear what do I have to as a next step?
Could you give me some hint?
Thank you! Aida

Best regards,
Donghee