

---

Subject: Re: DPM theta cut off  
Posted by [donghee](#) on Wed, 29 Aug 2012 09:09:56 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I'm considering now a simple approach to introduce cut off parameter theta according Thomas work.

I found cut off values for certain beam momentum from the equation, which is suggested in his Thesis.

Quote:

```
double mom = 15; //beam momentum
double cut = 0.0777-0.976*TMath::Log10(mom);
double cutoff=TMath::Power(10, cut);
```

Quote:

```
mom = 1.43170 ; cms = 2.23 ; cut off theta =0.842536
mom = 15.000  ; cms = 5.474 ; cut off theta =0.085079
```

Then I put this value into the theta minimum in the control option for PndDpmDirect.

Could someone confirm about the value and this approach?

Best wishes,  
Donghee