Subject: Re: DPM theta cut off
Posted by donghee on Wed, 29 Aug 2012 10:26:22 GMT
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Dear all,

So, I am now more clear than before for this approach.

The value of -t=1e-2 GeV^2 is chosen to get standard cut-off value.
Then I'm wondering the ratio between total cross-section and elastic one for this cut-off value.
Is it still comparable with experimental data?
Thomas used the cut-off value at the coulomb-nulear intersaction in his study, and found reasonably well described ratio.

That mean, that he used -t equal to 1e-3 GeV^2 and cut-off theta is deduced 4 times smaller than introduced value in PndDpmDirect.
It was about 0.1 degree at 15GeV/c.

Does anyone make some test for that?
or motivated just MVD detector point of view, which have sufficient energy to go through the MVD layers.
I think that cut off 4 degree at 1.5 GeV might be too large to study lumi detector, for example.
Because Lumi can cover 3-8 degree.

Thank you for your teaching.
Best regards,
Donghee