Subject: Re: New DPMgen results disagree with earlier simulations
Posted by Tobias Stockmanns on Fri, 05 Feb 2010 14:58:47 GMT
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Just in short, why this was introduced:

The cross section for elastic scattering diverges for low scattering angles. Therefore you need to have a cut-off parameter (theta) to define down to which angles you want to simulate it.

The new version of DPM was introduced because there was no EM elastic scattering in the old version but this is needed for the luminosity monitor which relys on this effect to calculate the luminosity.

I hope this helps a bit.

Cheers,

Tobias