Subject: Re: Photon energy distribution using DPM
Posted by Bernhard Roth on Tue, 03 Apr 2012 13:01:46 GMT
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Hello everybody,

I've repeated the study from yesterday (Bertram has posted about that before), but now with
the current DPM generator taken from PandaRoot. Therefore I have ported it to the BaBar-like
software, just to be able to compare the results.

The distribution I got is the same as in the EMC TDR, as shown in the attached file. (DPM
generated events at 15GeV beam momentum)

And bye the way: by turning off the elastic scattering (Elastic=0.) in
pgenerators/DpmEvtGen/main.cc, the generator is about 100 times faster.

Regards,
Bernhard

File Attachments
1) gam_e_theta_newDPM.png, downloaded 767 times

Pbar_gam_ang