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.

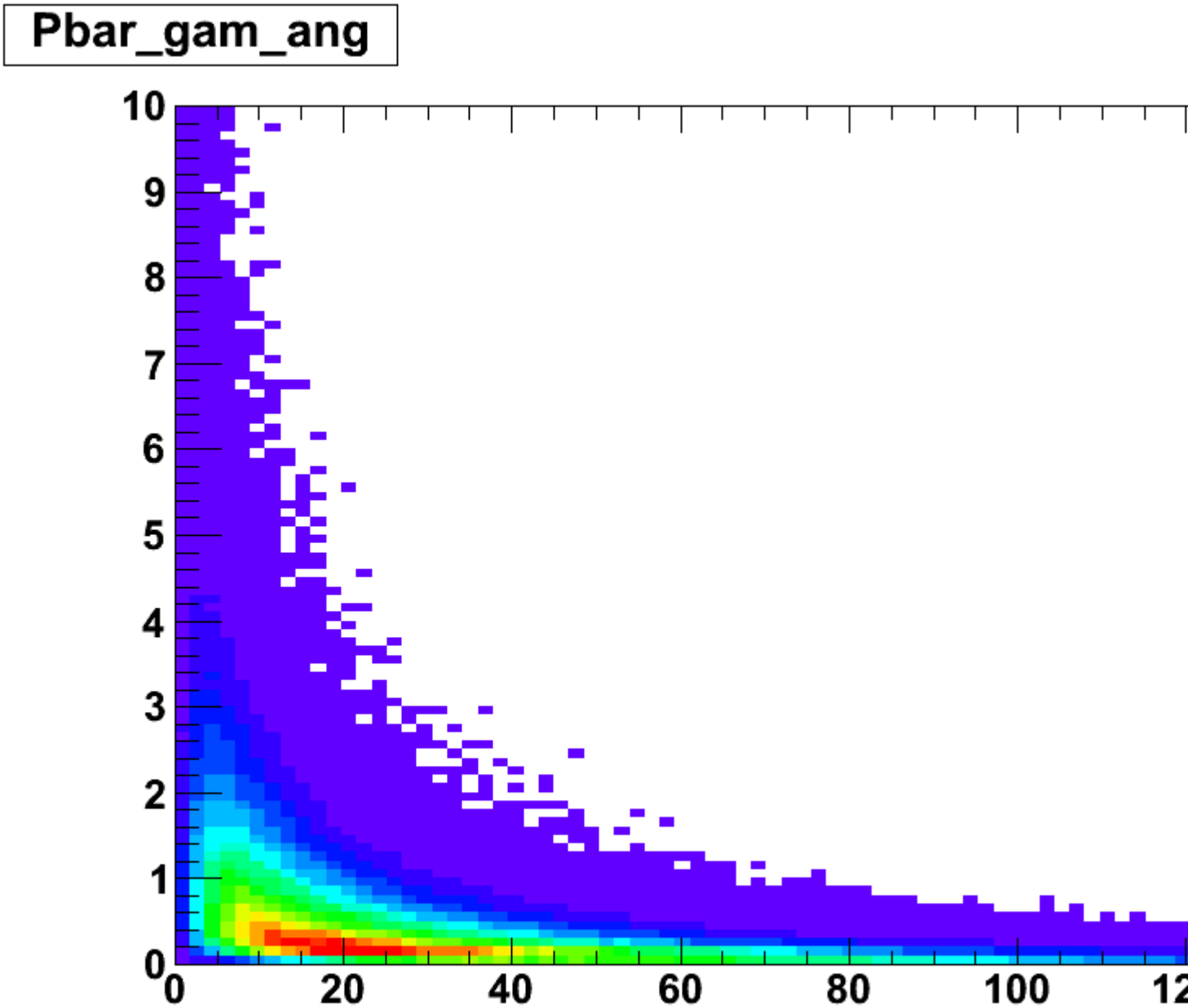
The distribution I got is the same as in the EMC TDR, as shown in the attached file. (DPM generated events at 15GeV beam momentum)

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 1121 times


Pbar_gam_ang
10
9
8
7
6
5
4
3
2
1
0
0
20
40
60
80
100