Subject: Photons reconstruction
Posted by Elisa Fioravanti on Wed, 23 Apr 2014 09:14:44 GMT
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Hello,

I simulated photons in a momentum range [100 MeV, 1 GeV] using the fast simulation, with Box Generator.
I simulated 1000 events and I reconstructed only 241 photons.
If I look to the theta distribution of the photons there is an hole between 20° and 140°.

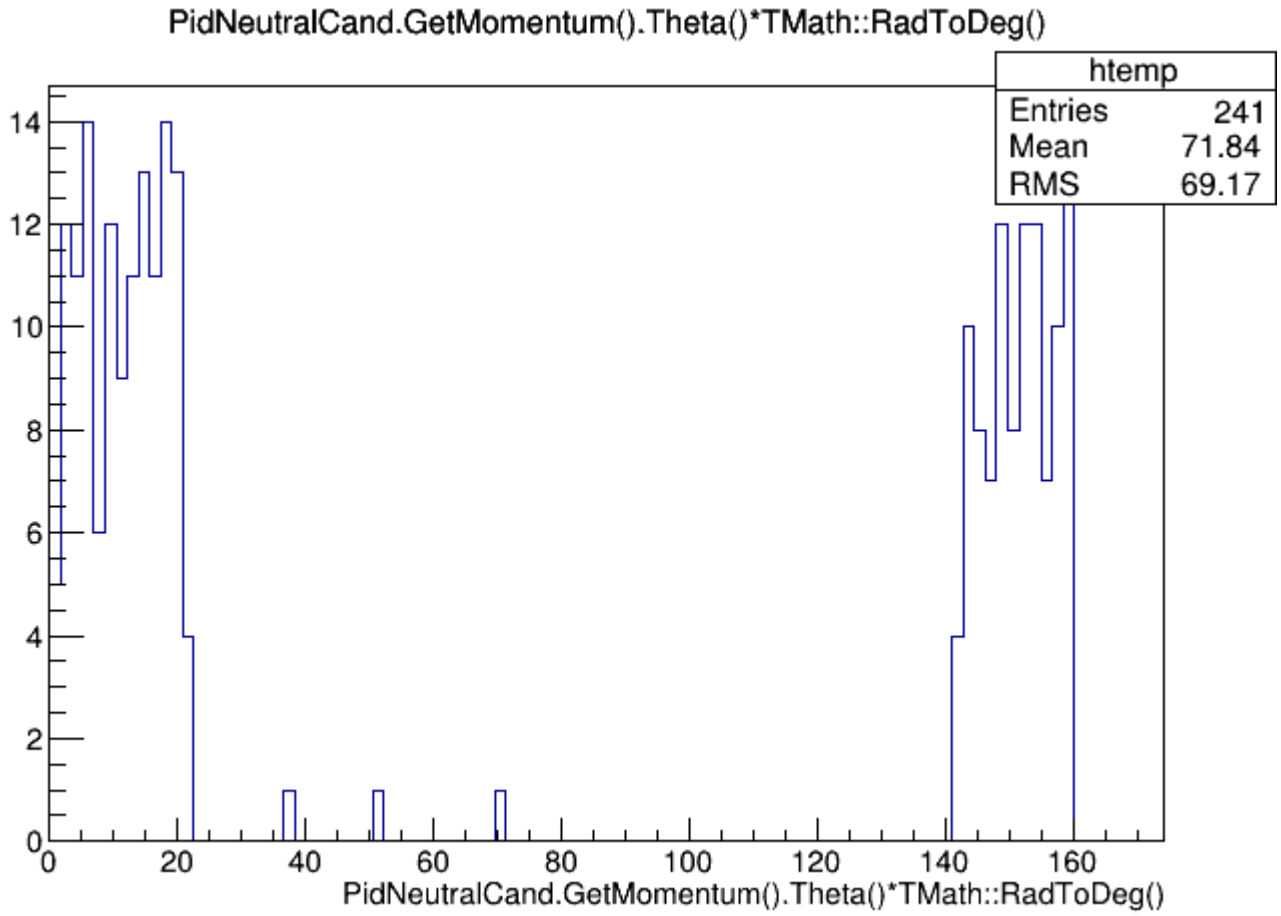
I attach the simfast.C and the theta distribution figure.
The pandaroot version is 24621.

Any idea?

Thanks in advance
Elisa

File Attachments

1) theta.png, downloaded 1266 times



2) simfast.C, downloaded 976 times

Subject: Re: Photons reconstruction
Posted by Ralf Kliemt on Wed, 23 Apr 2014 13:57:32 GMT
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Hi Elisa,

There is a bug fix in scrut14 and the trunk for the EMC barrel. Klaus fixed it some time ago but somehow it wasn't in the svn.

Cheers
Ralf

Subject: Re: Photons reconstruction
Posted by Elisa Fioravanti on Wed, 23 Apr 2014 15:34:19 GMT
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Hello Ralf,

thanks for your help, now it works!

Elisa