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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?

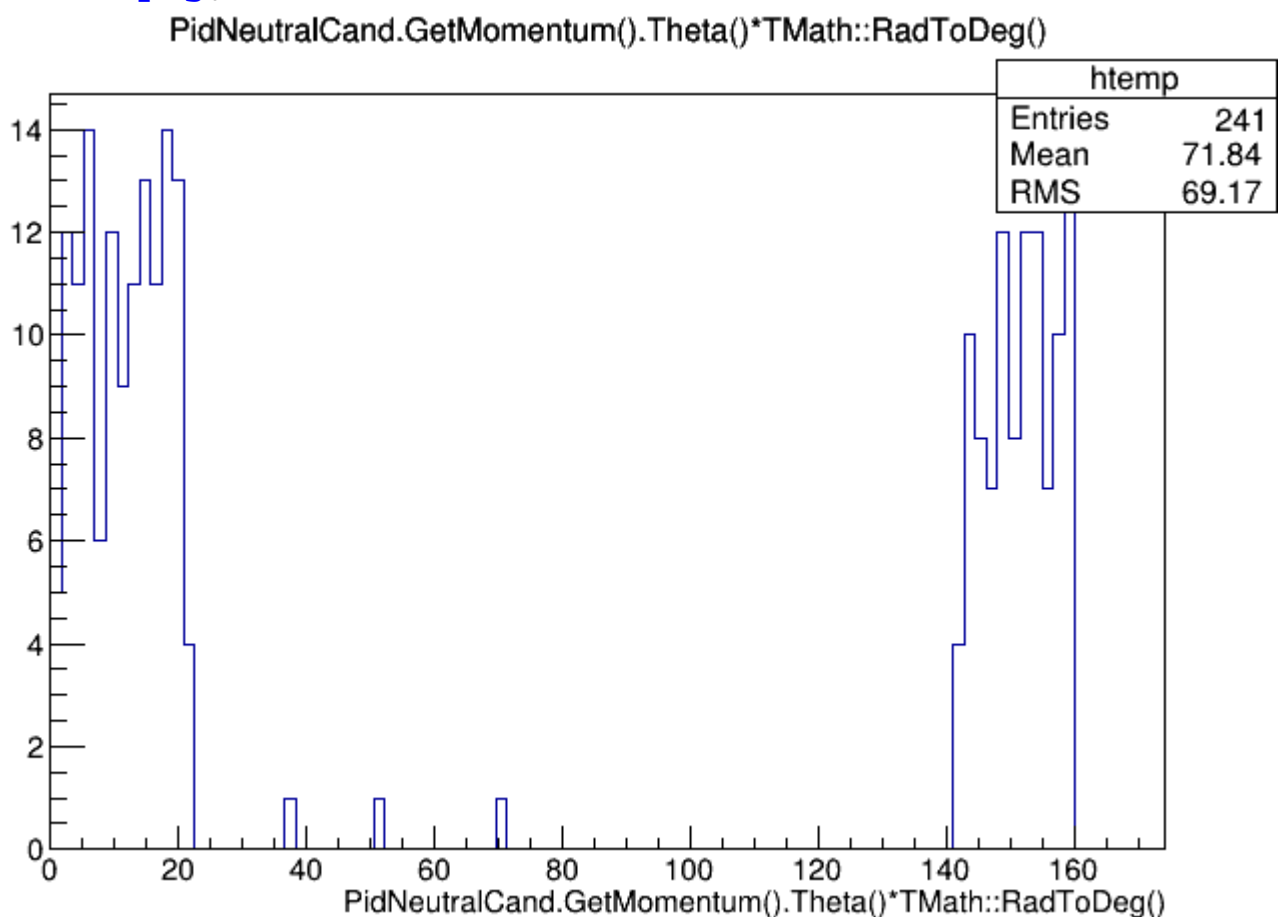
Thanks in advance

Elisa

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### File Attachments

1) [theta.png](#), downloaded 400 times



2) [simfast.C](#), downloaded 480 times

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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

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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

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