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Subject: EvtGenDirec/PHOTOS

Posted by [Alaa Dbeyssi](#) on Tue, 22 May 2018 11:57:13 GMT

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Hi,

I am generating the process  $p\bar{p} \rightarrow e^+e^-$  using EvtGenDirect and switching on PHOTOS (release Dec17p1, macros from /pandaroot/macro/run,  $p=1.5$  GeV).

It seems that PHOTOS is not working properly here since the invariant mass of the  $e^+e^-$  is always equal to the theoretical value 2.254 GeV (no radiative tail and no photon emission).

There is also a warning from PHOTOS:

WARNING from PHOTOS: "Momentum not conserved in the vertex". The log file is attached. By switching on PHOTOS, means I don't write "noPhotos" in the decay file. Is this correct?

thank you for your help.

Alaa

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The decay file is:

Decay pbarpSystem

1.0 e+ e- PHSP;

Enddecay

End

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### File Attachments

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1) [myjob0.1199595.x2257.out](#), downloaded 349 times

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