FOM

We will try to observe the effect of angular distribution of bremsstrahlung photons on the polarization. Electrons w/ Ee = 25 MeV and Al converter are used.

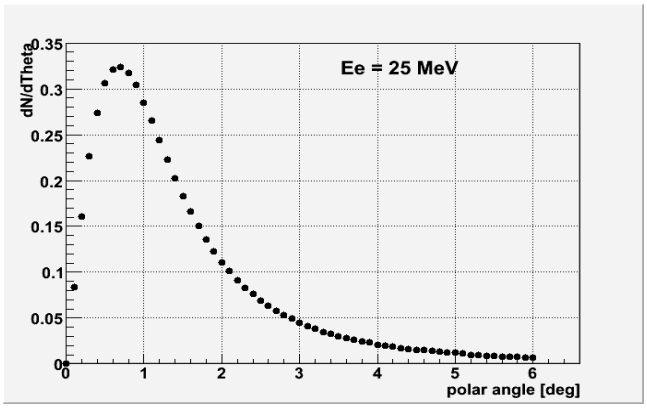

Fig. a. Angular distribution of bremsstrahlung photons.

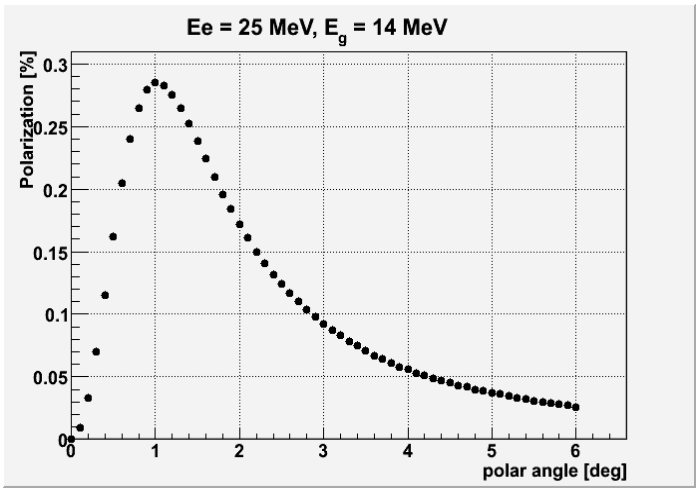

Fig. b. Polarization of 14 MeV photons vs. polar angle. Al converter.

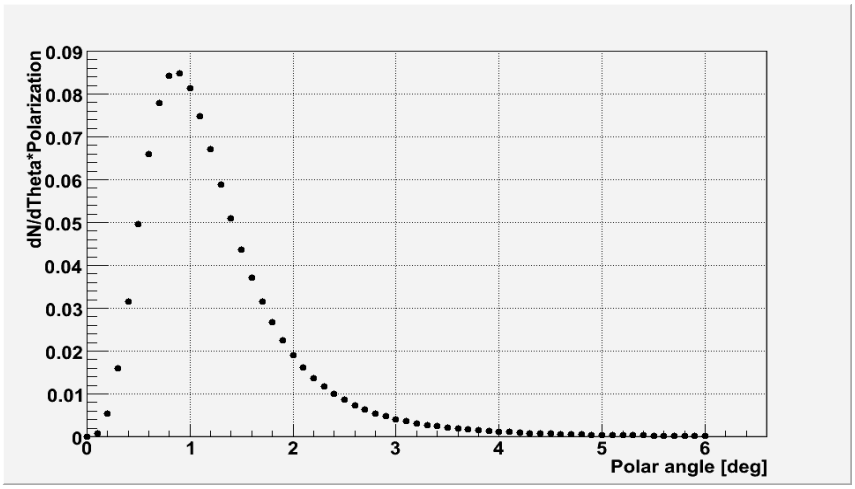

Fig. c. Polarization weighted with dN/dTheta values.

The FOM ~ Yield*P^2 ~ (dN/dTheta)*$(\text{Polarization})^2$. Using Figs. *a* snd *b* we can build FOM plot.

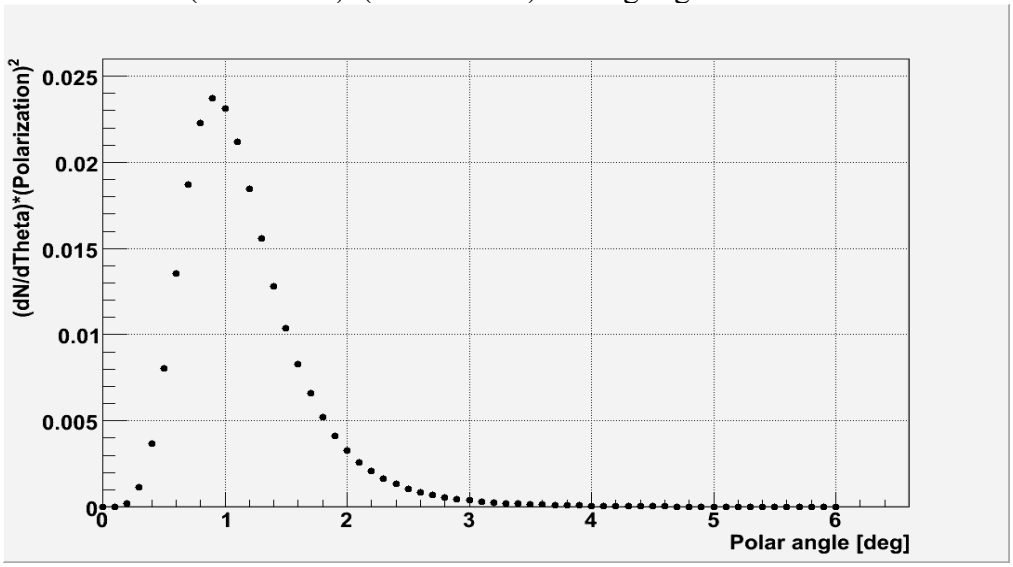

Fig. d. FOM plot.