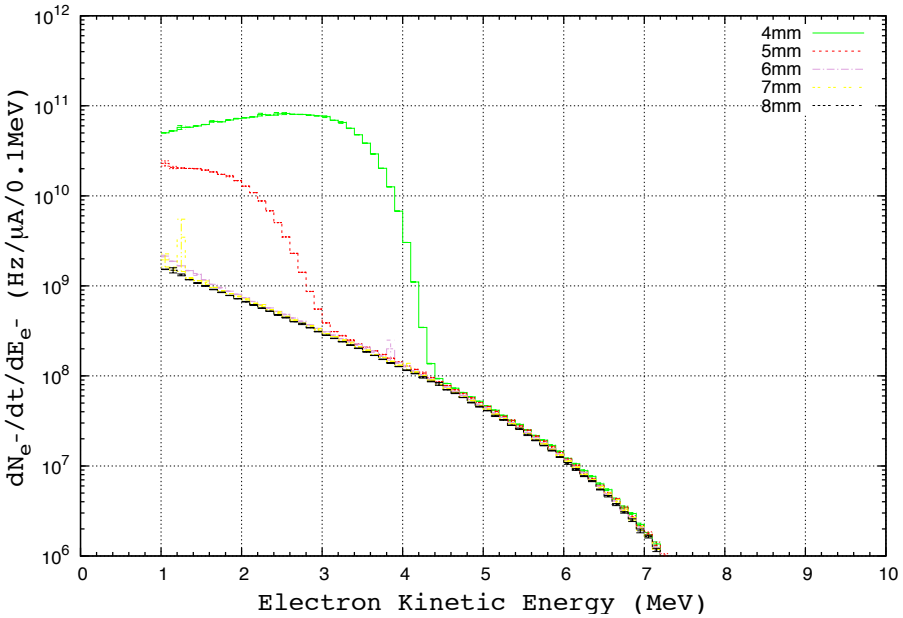
Summary of Monte-Carlo Calculations of the Bubble Chamber Engineering Run Setup Using 8.5 MeV Kinetic Energy Electron Beam

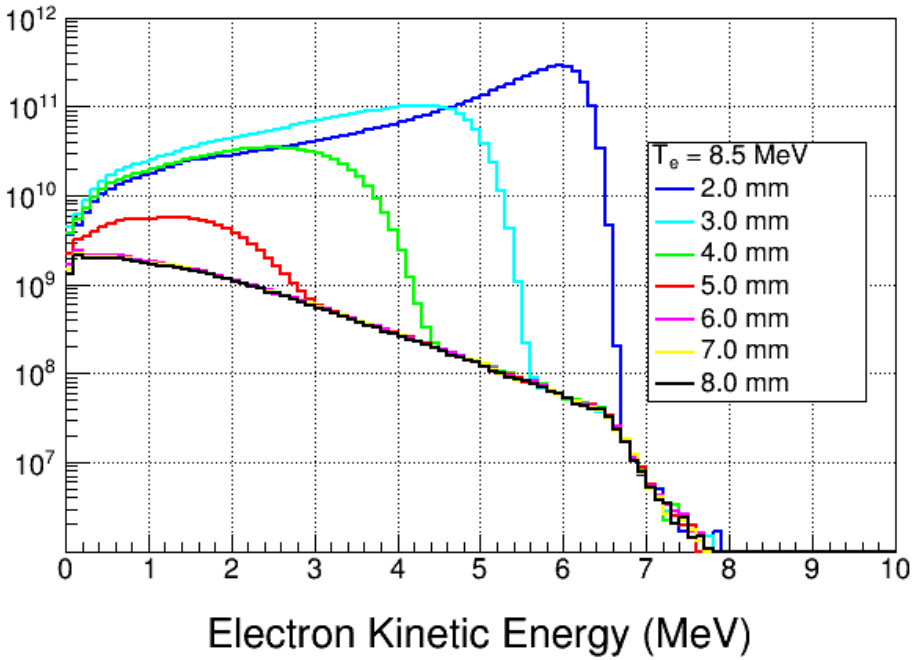
P. Degtiarenko, G. Kharashvili, R. Suleiman

Electrons Exiting Copper Radiator - cosΘ > 0

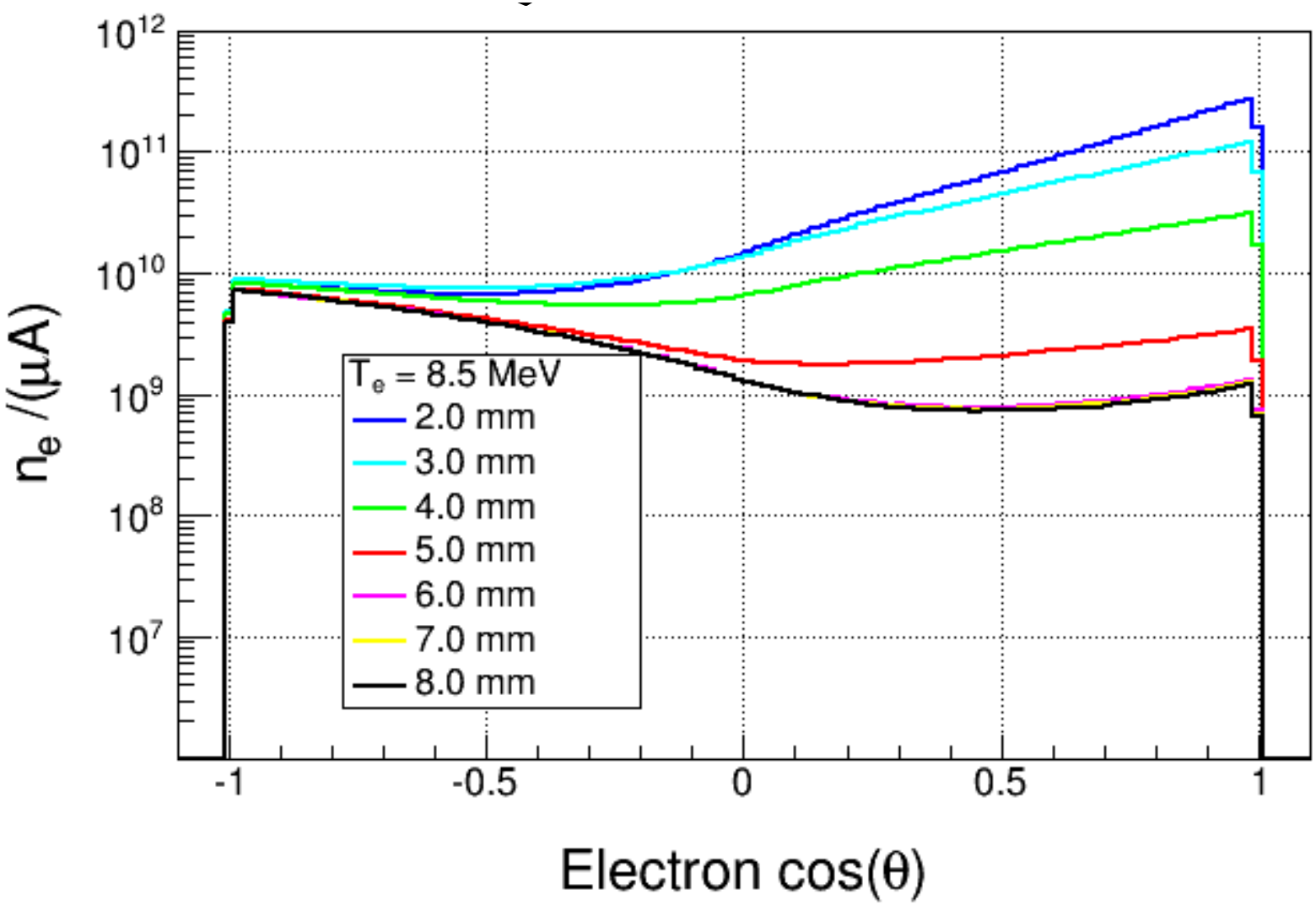
FLUKA



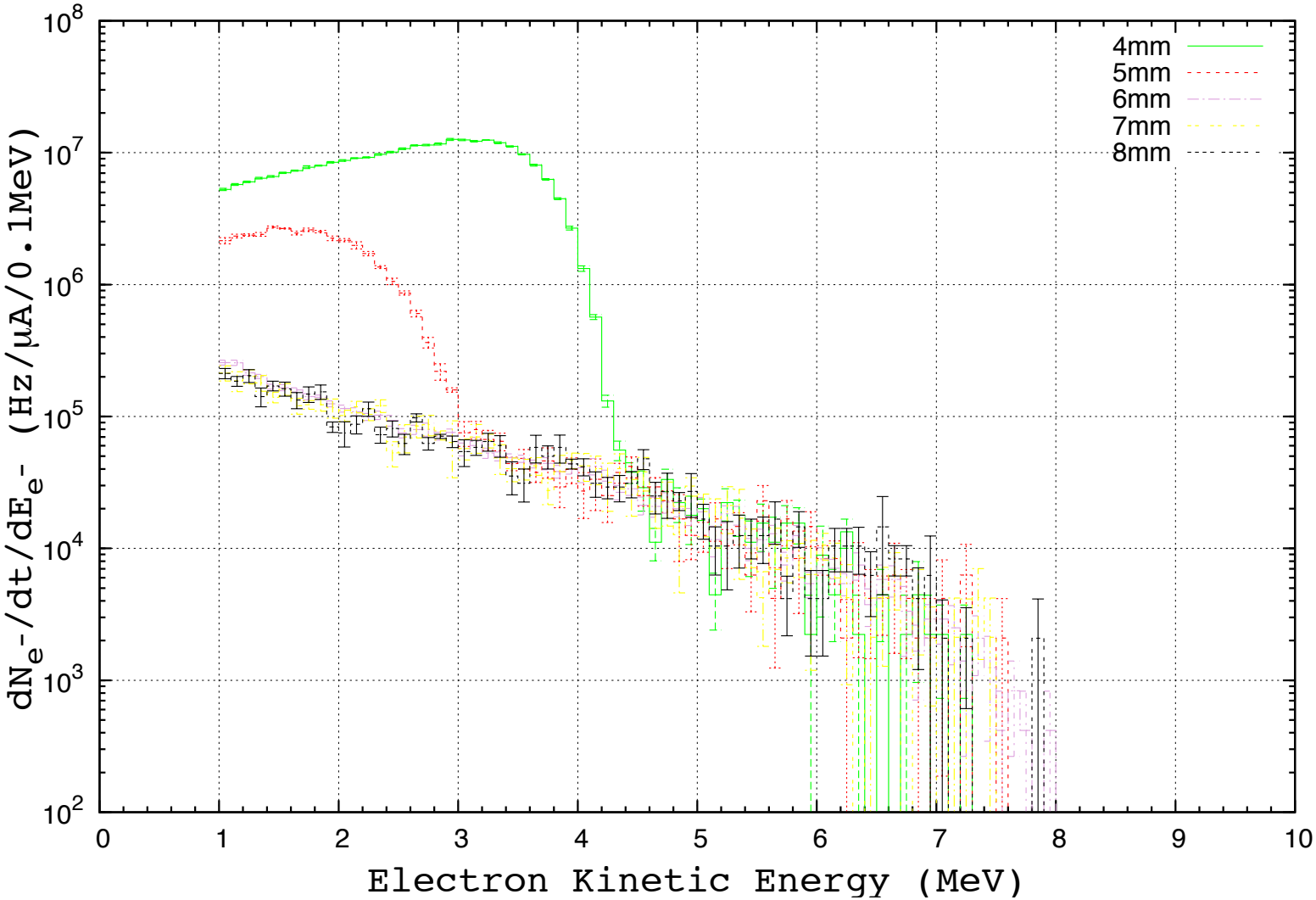
Geant4



Electrons Exiting Radiator (Geant4)

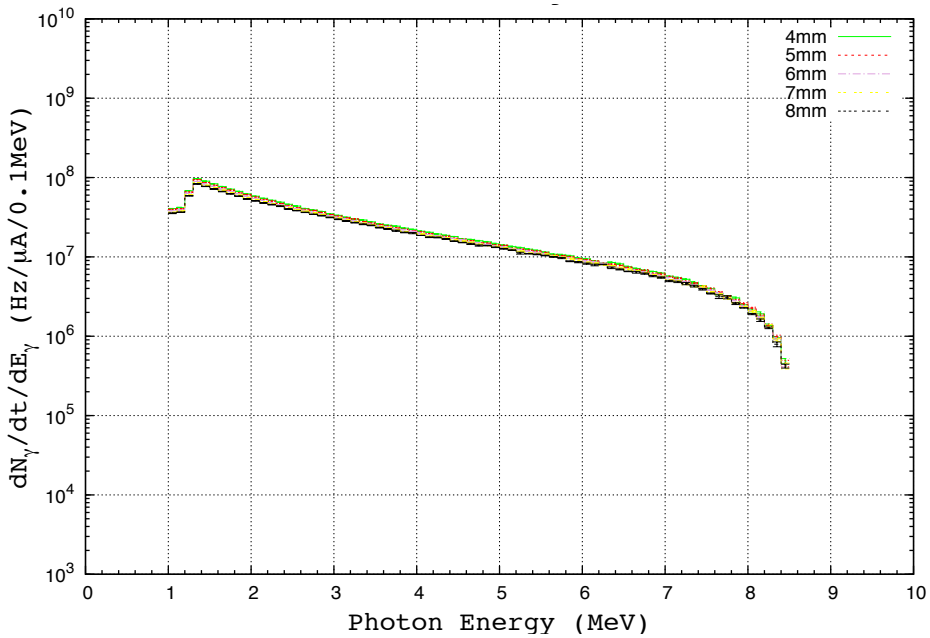


Electrons Entering 1cm Diameter Chamber (FLUKA)

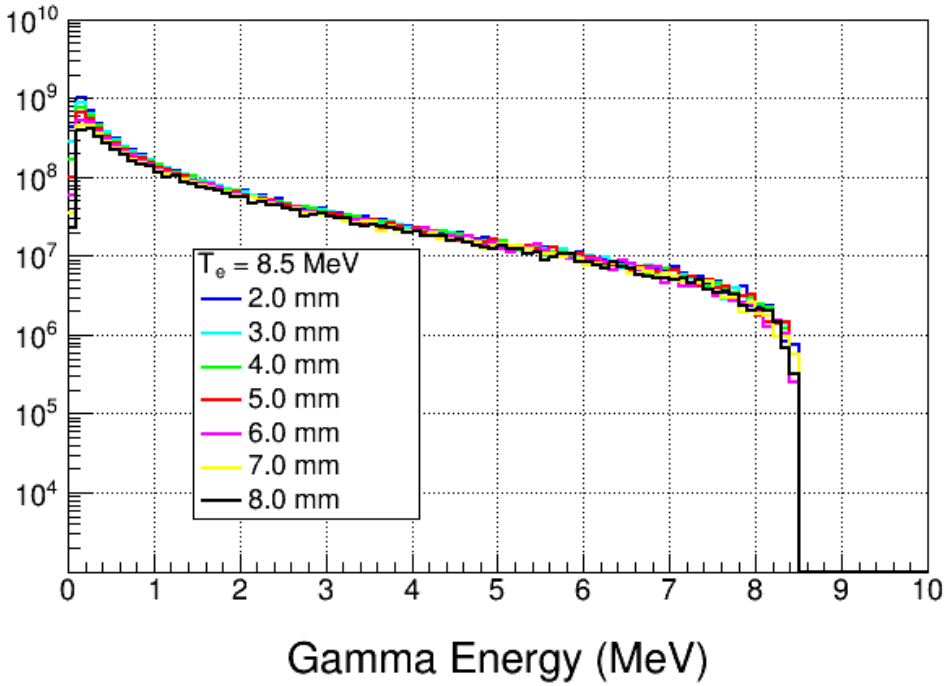


Photons Entering the Chamber

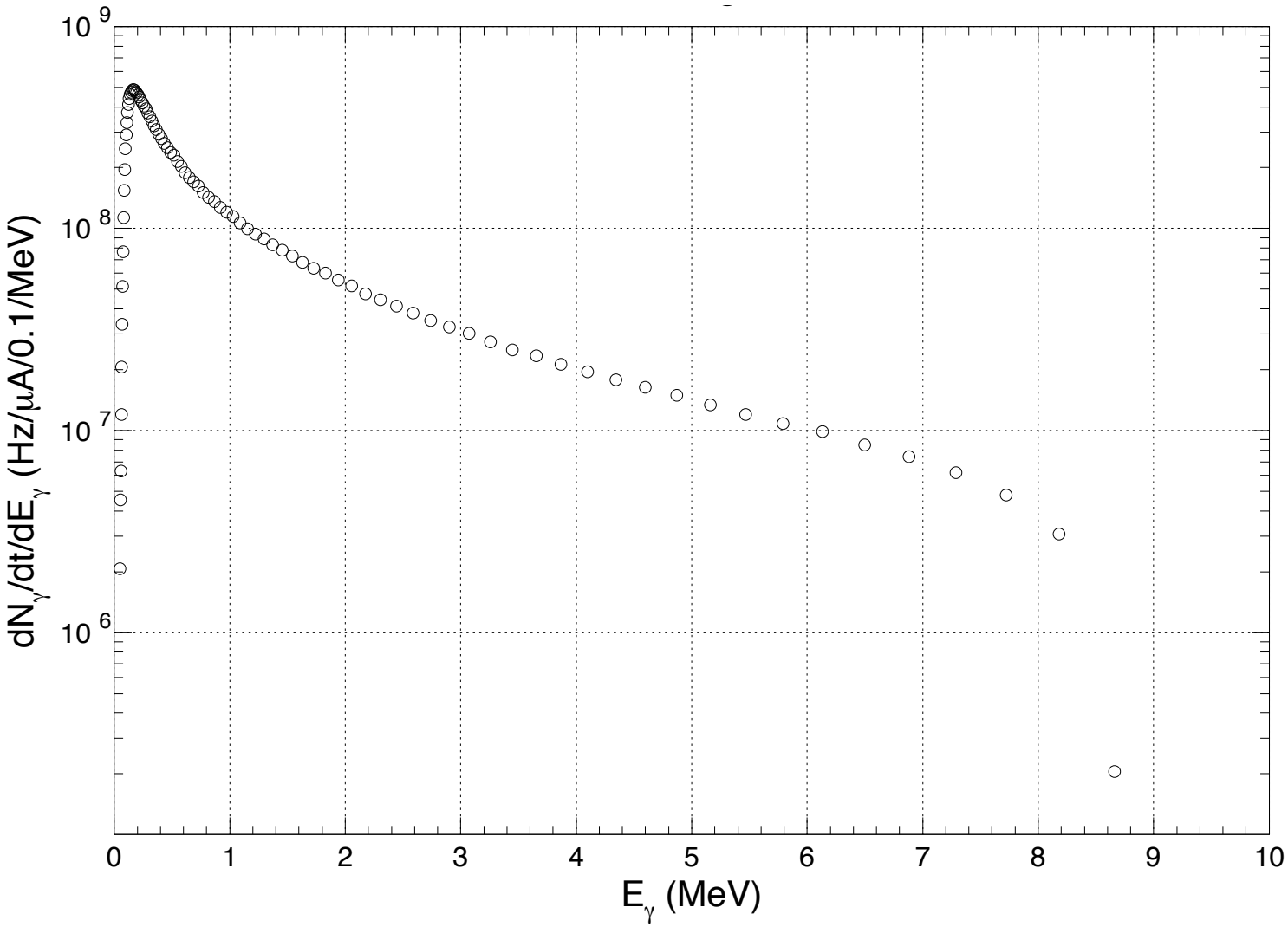
FLUKA



Geant4

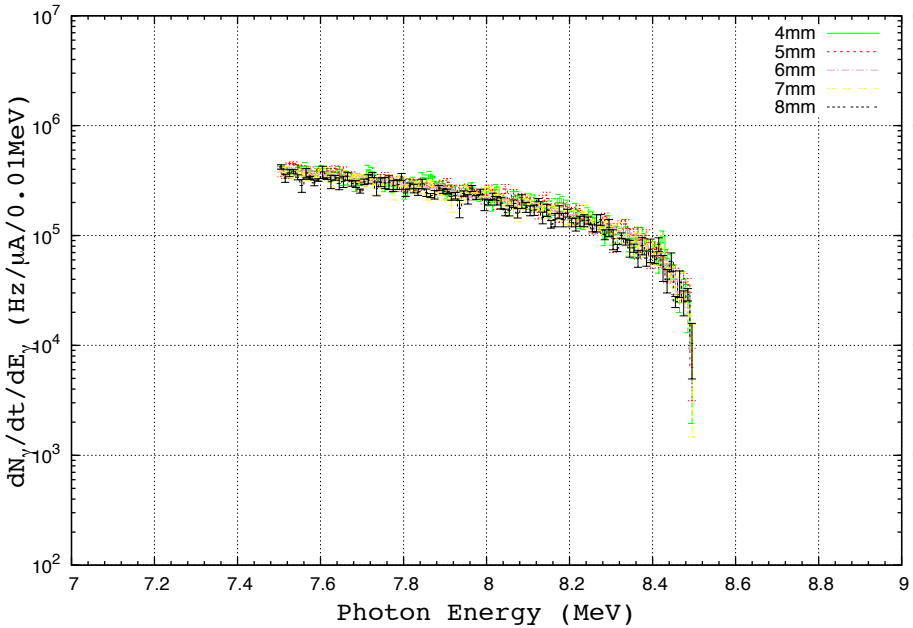


Photons Entering the Chamber (Geant3)

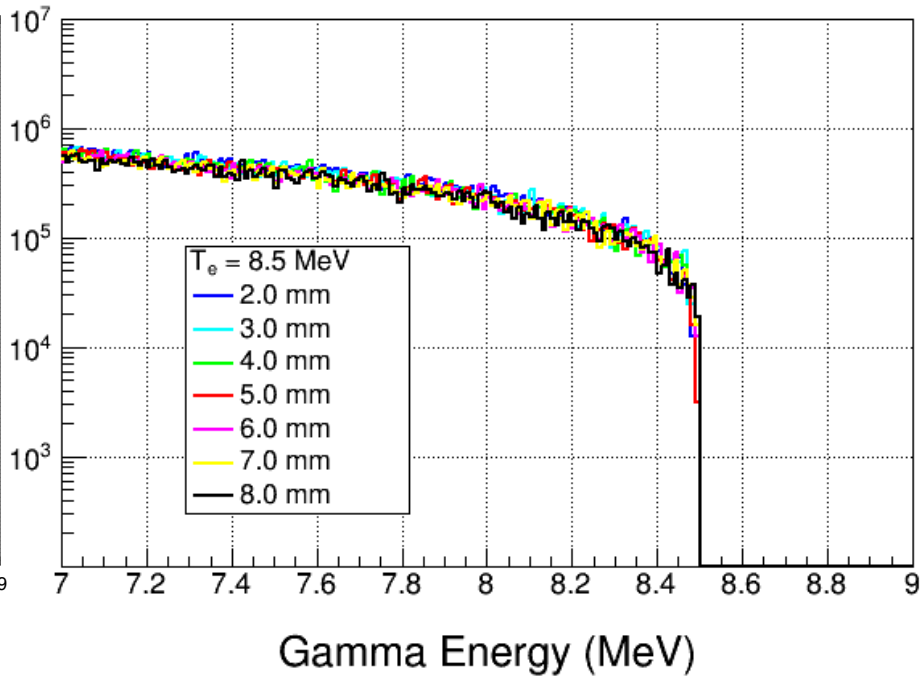


Photons (E >7.5 MeV) Entering the Chamber

FLUKA

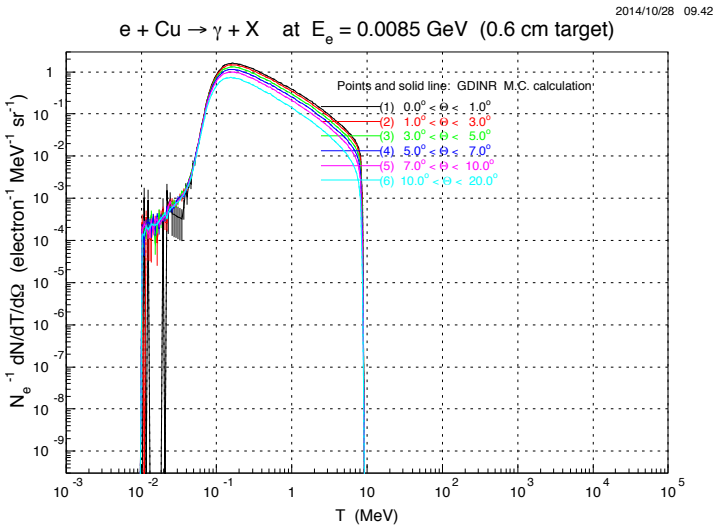


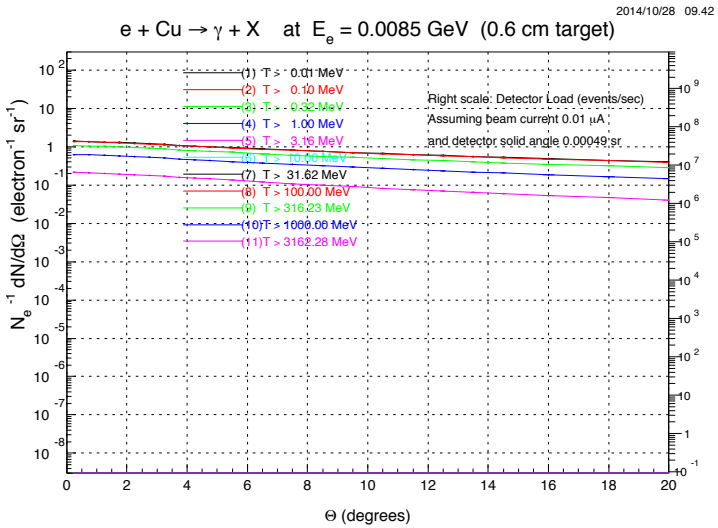
Geant4

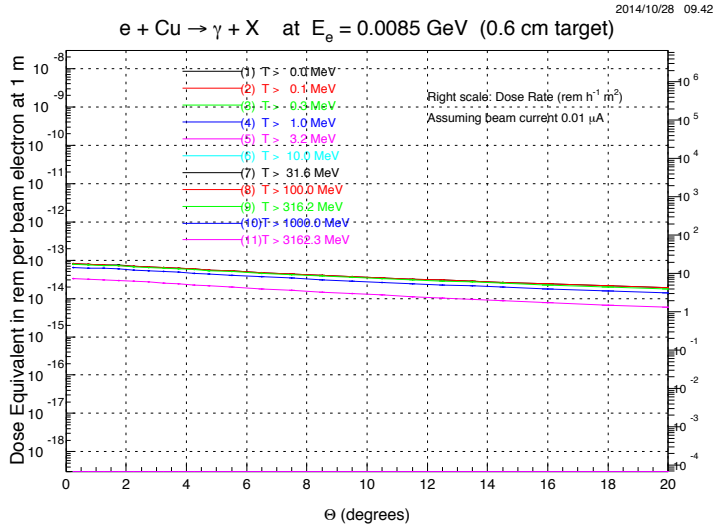


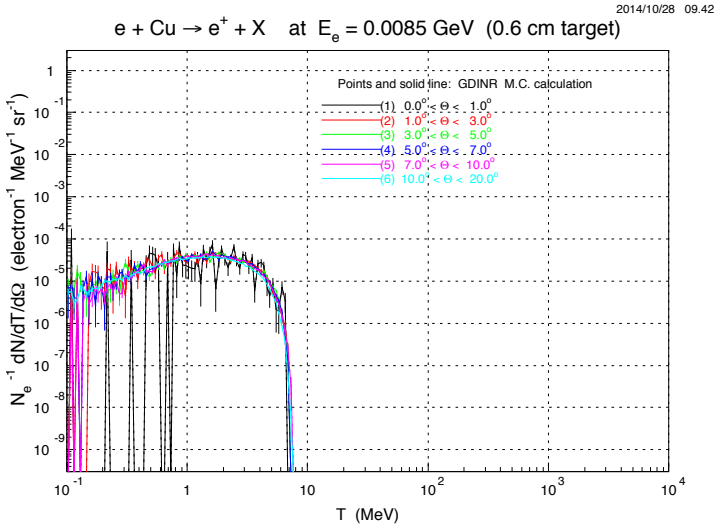
EXTRA SLIDES

Sourceterm - 8.5 MeV e⁻ on 6mm Radiator (Geant3)

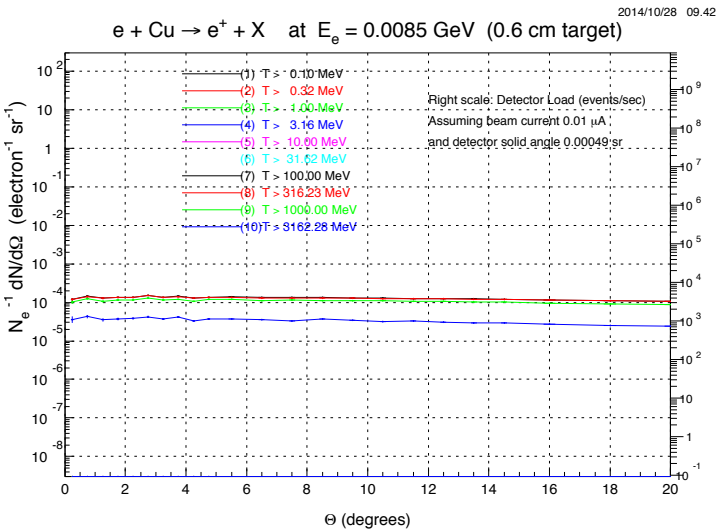


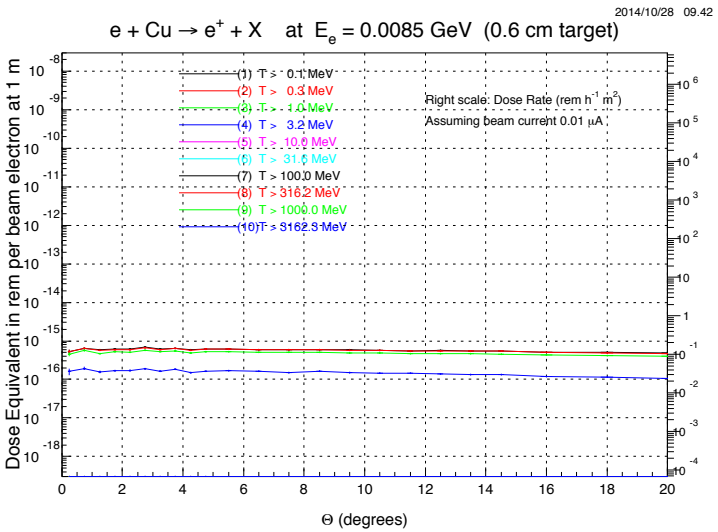


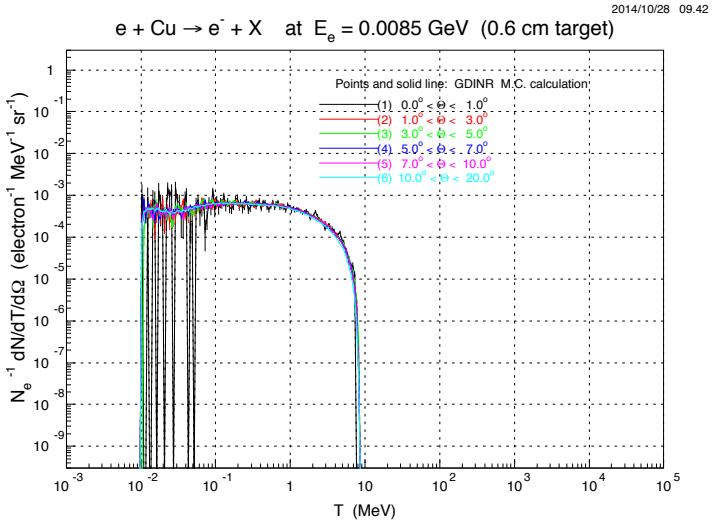


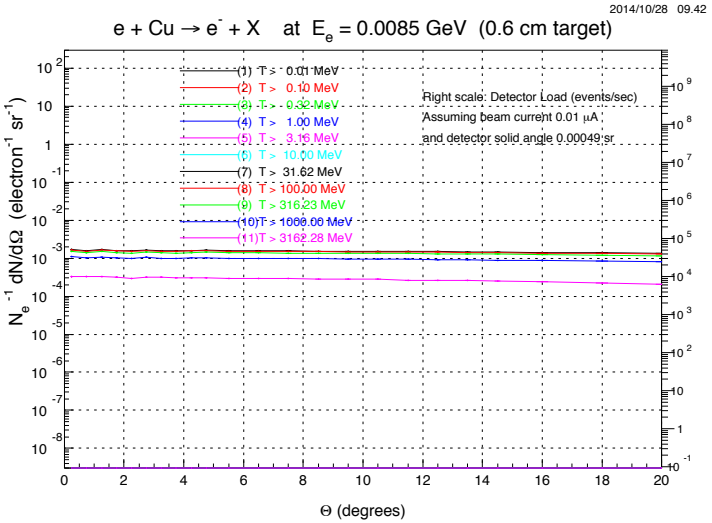


Sourceterm - 8.5 MeV e⁻ on 6mm Radiator (Geant3)

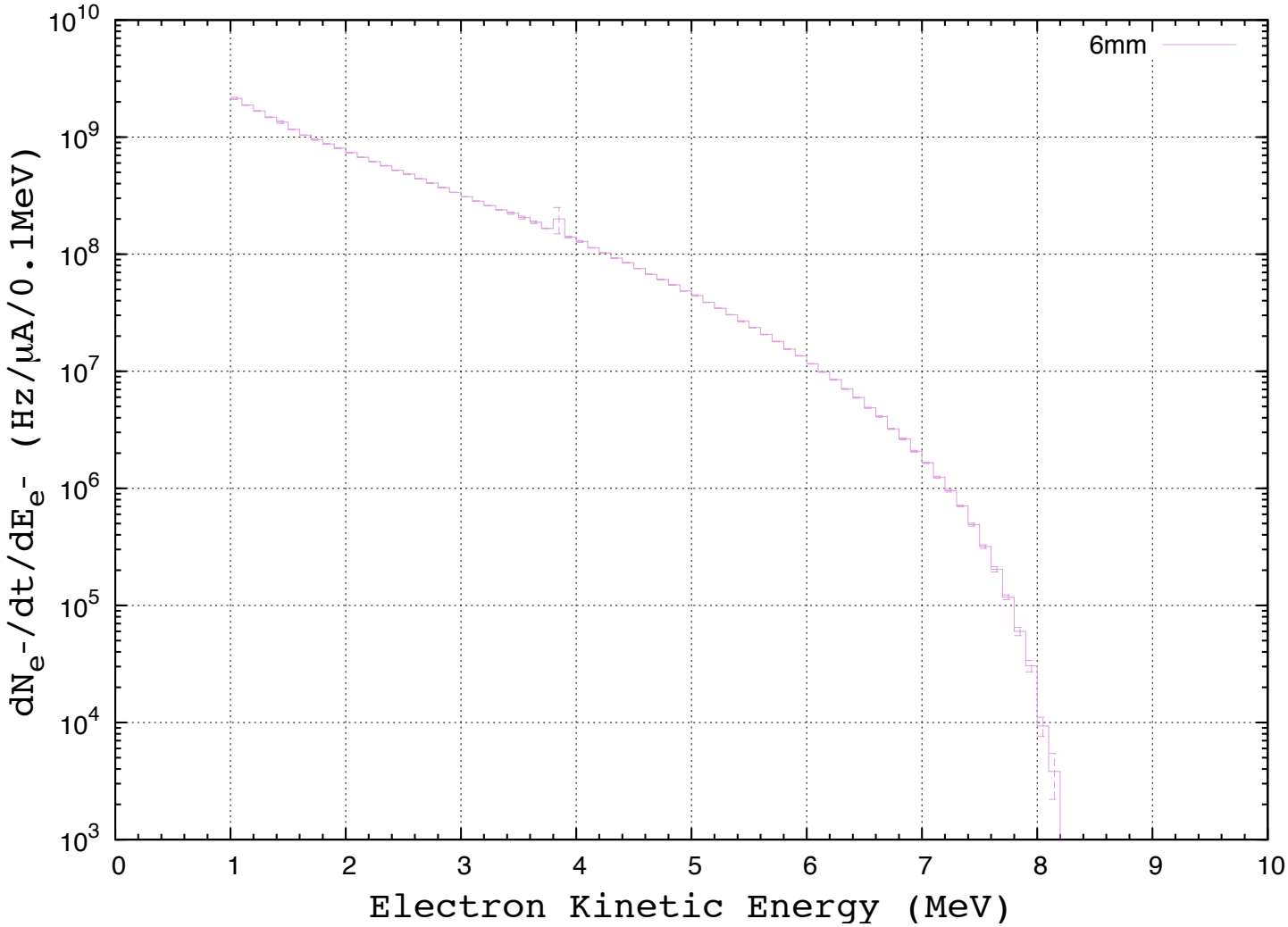




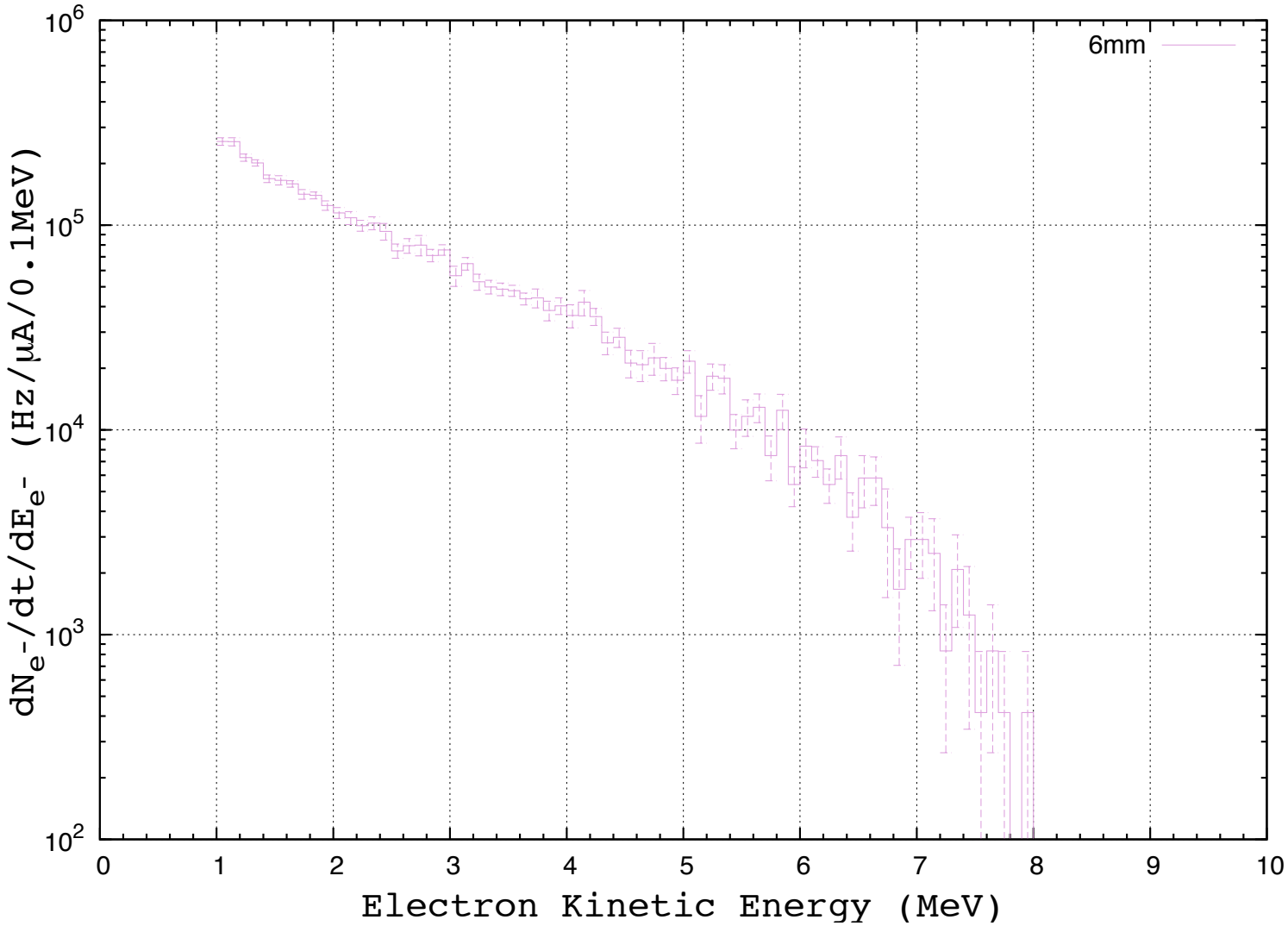




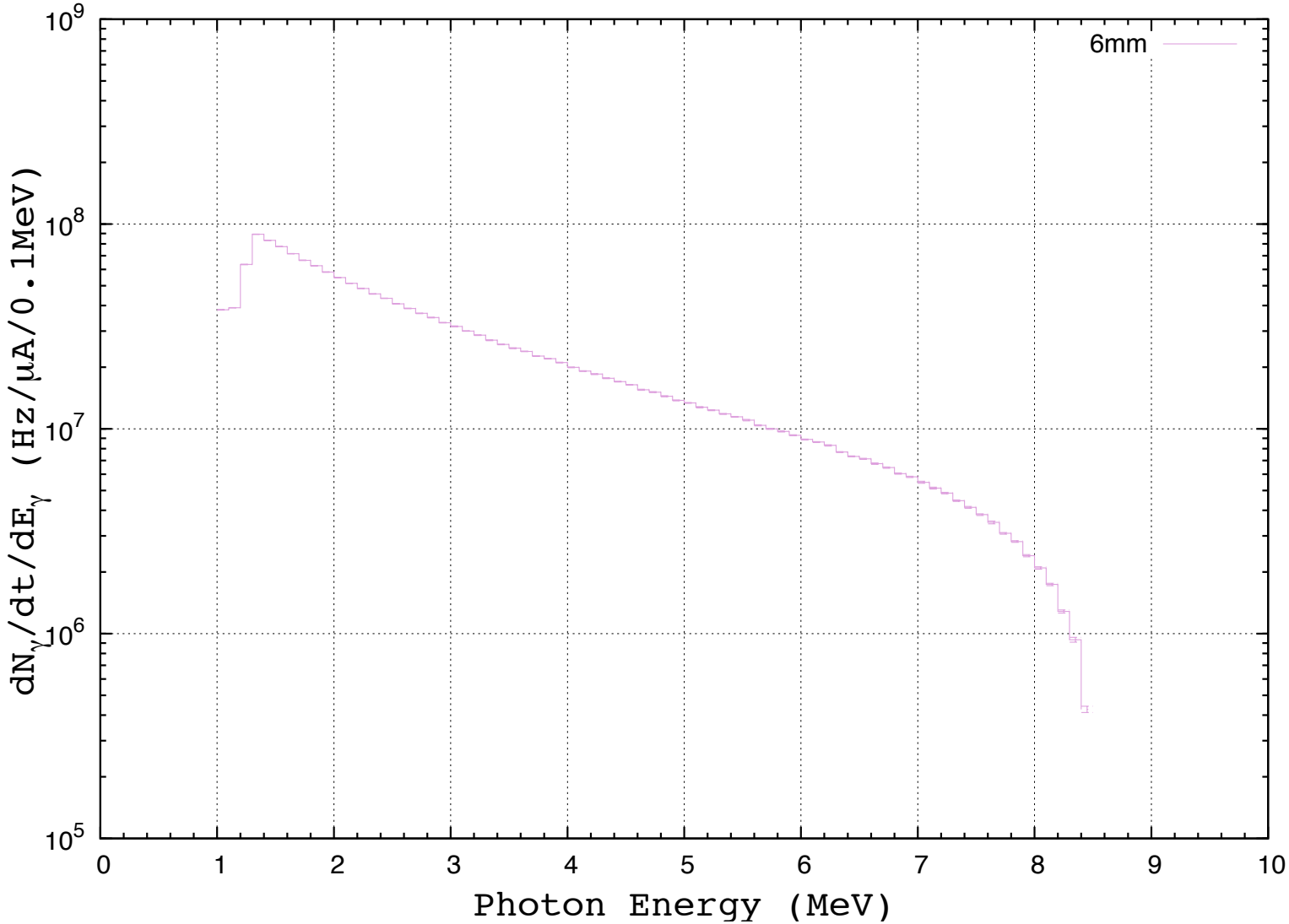
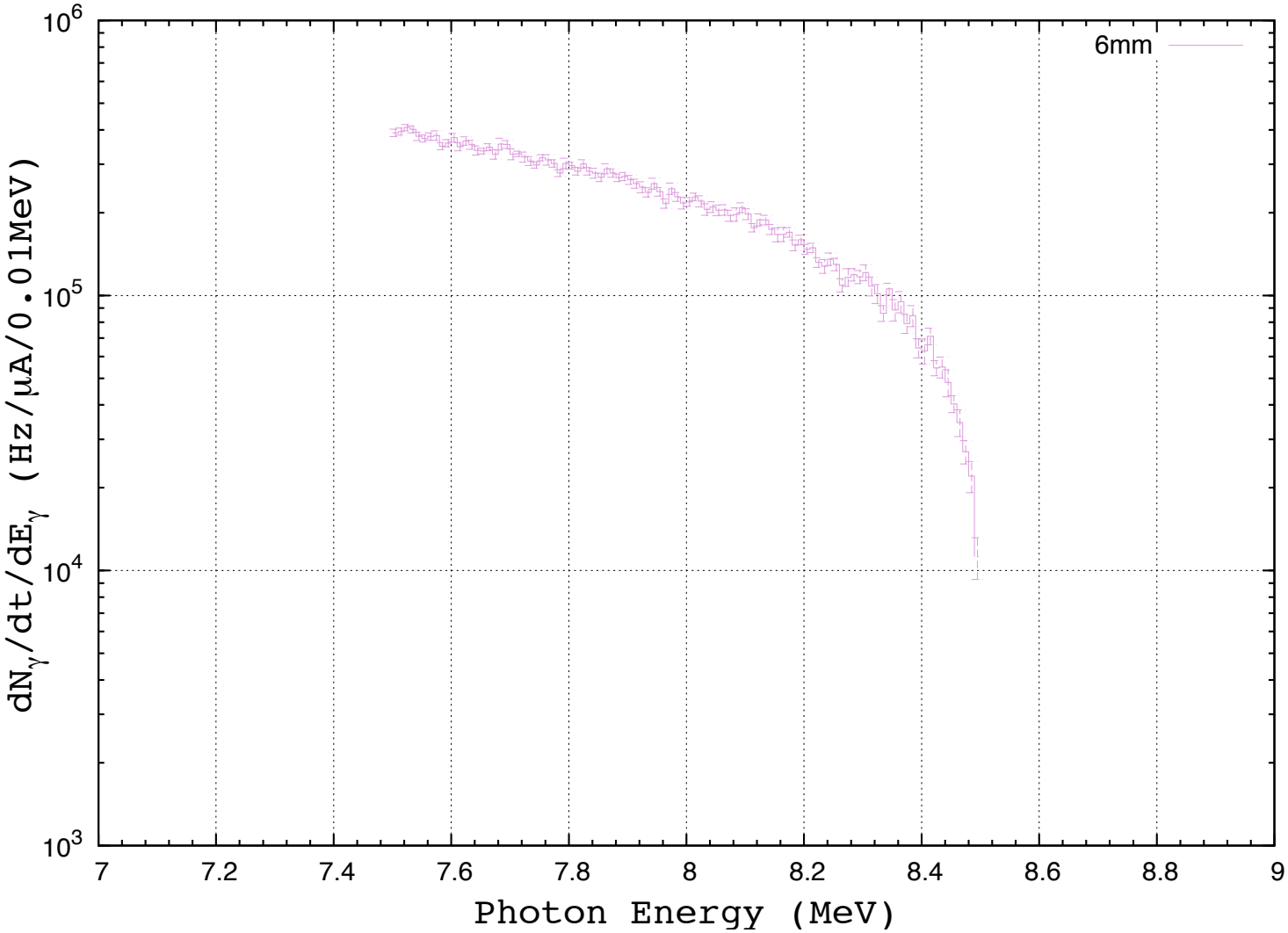
Electrons Exiting 6mm Radiator (FLUKA)



Electrons Entering Chamber (FLUKA)



Photons Entering Chamber (FLUKA)



Photons (E > 7.5 MeV) Entering Chamber (FLUKA)