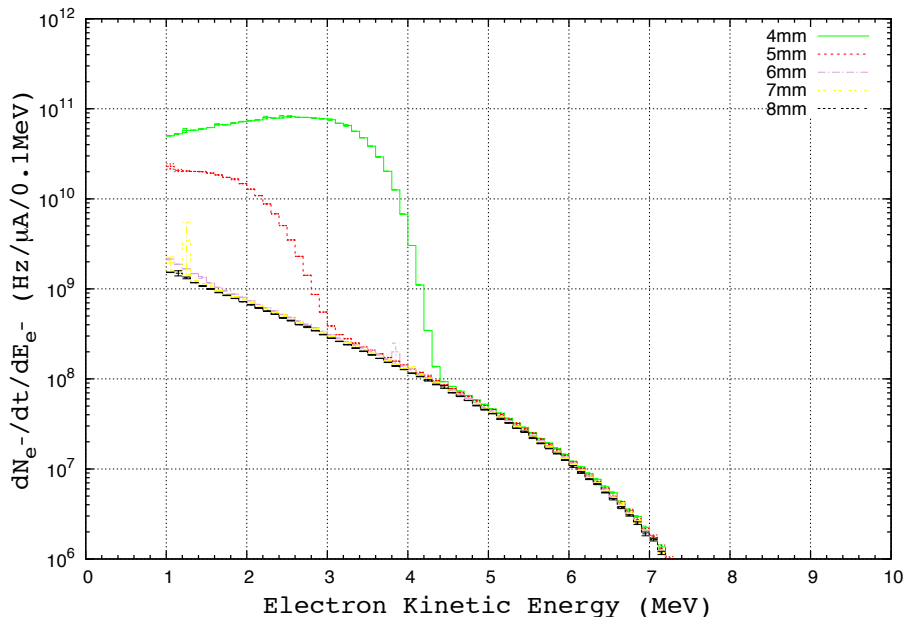


# Summary of Monte-Carlo Calculations of the Bubble Chamber Engineering Run Setup Using 8.5 MeV Kinetic Energy Electron Beam

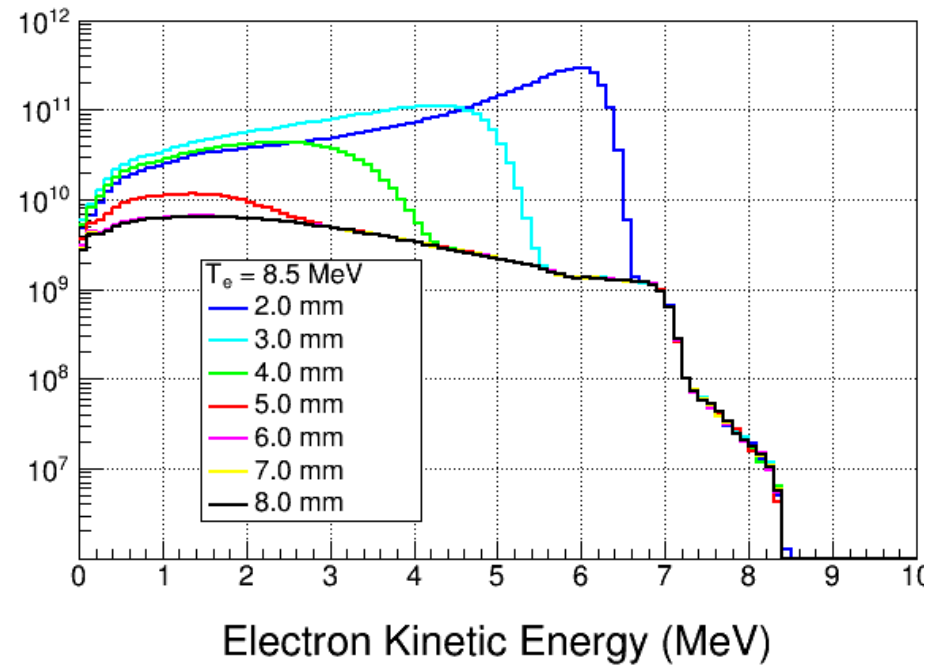
*P. Degtiarenko, G. Kharashvili, R. Suleiman*

# Electrons Exiting Copper Radiator

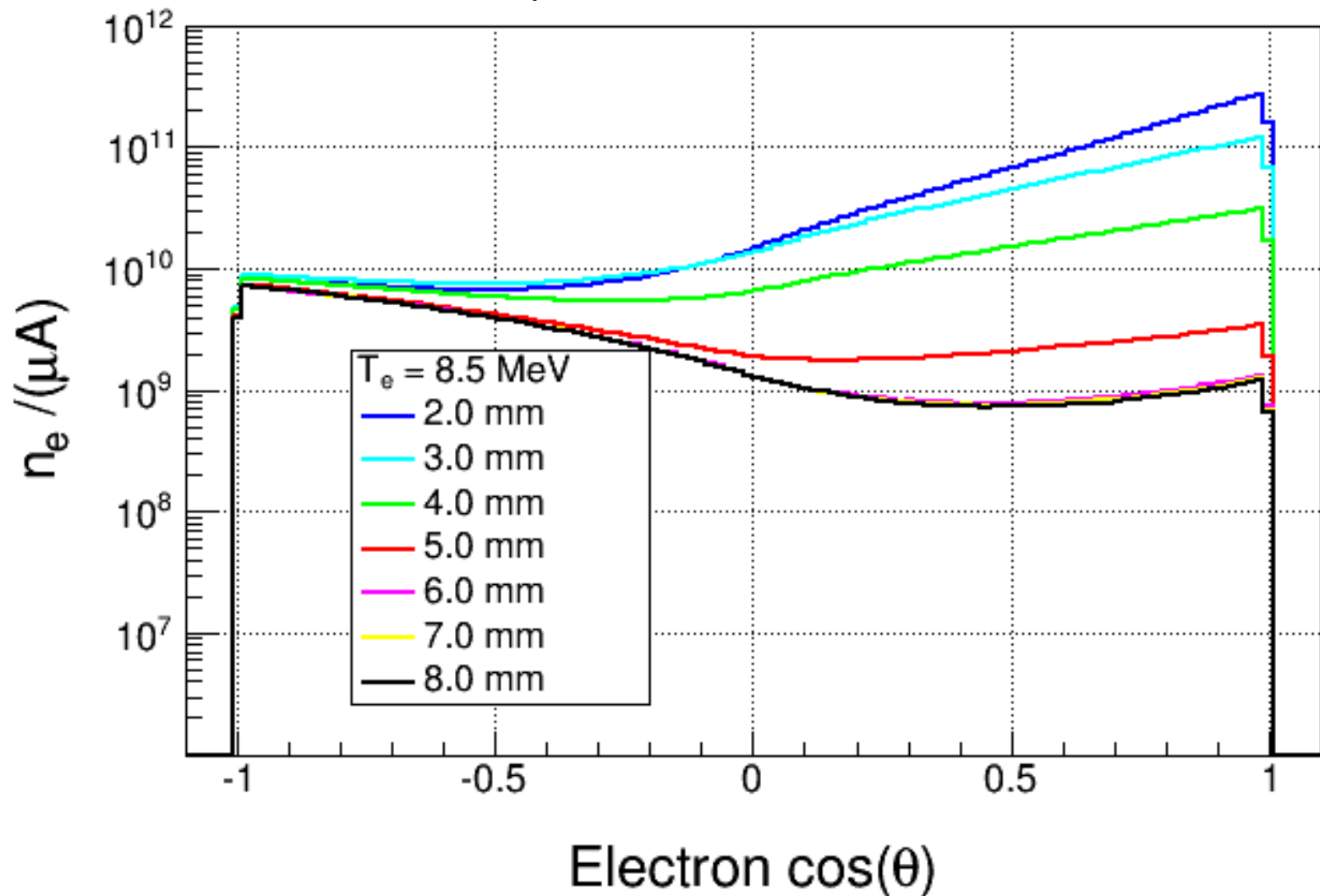
## FLUKA



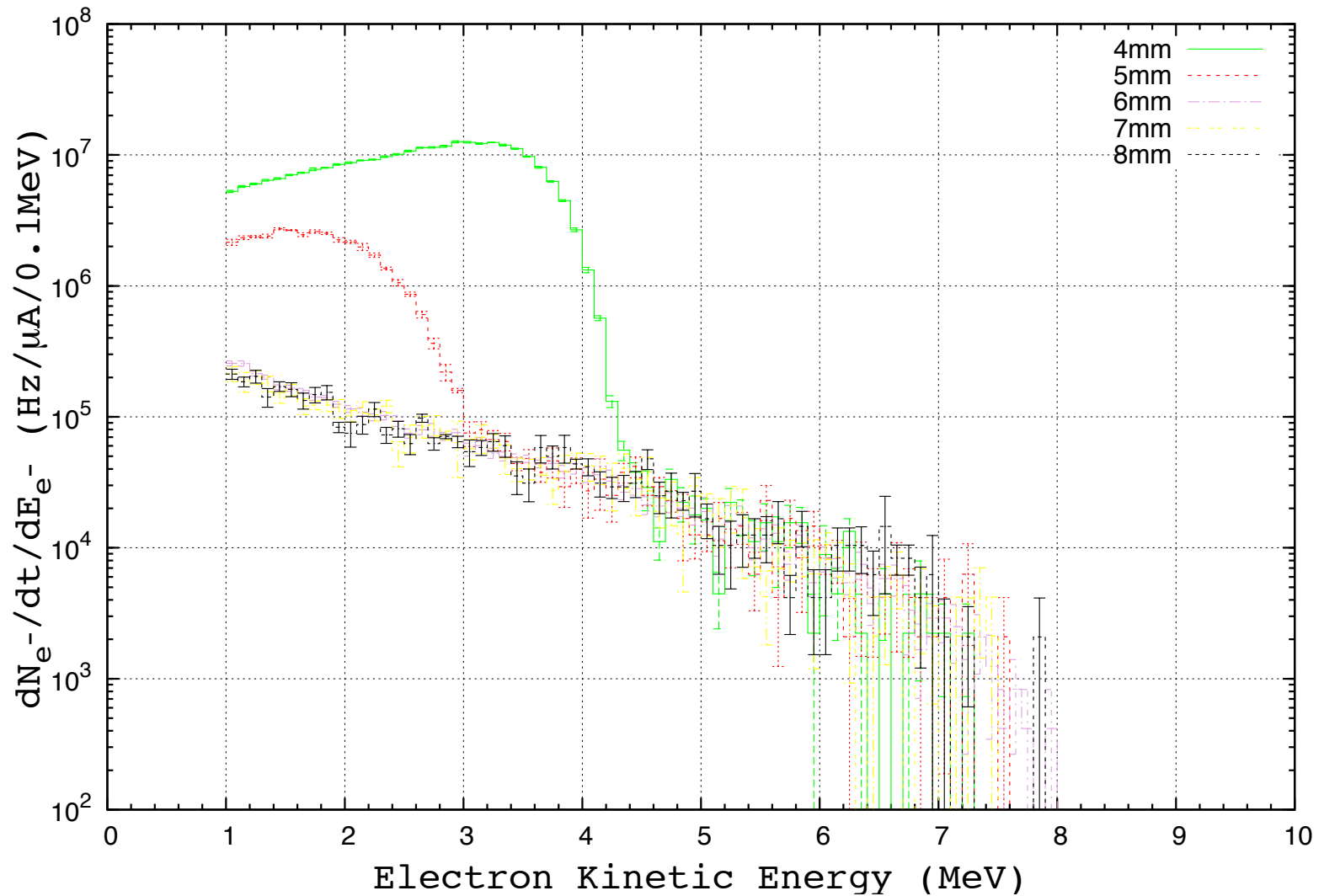
## Geant4



# Electrons Exiting Radiator (Geant4)

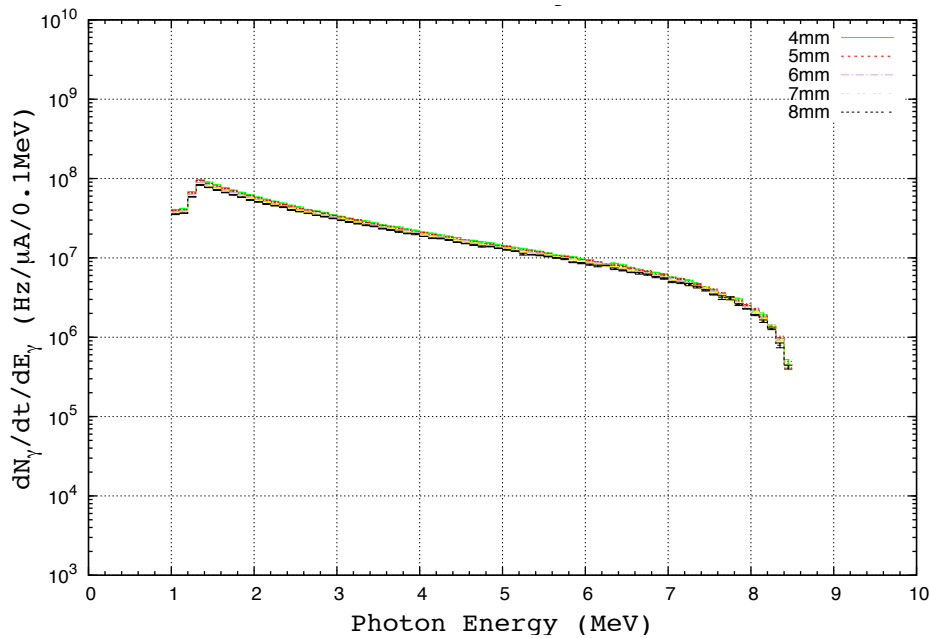


# Electrons Entering 1cm Diameter Chamber (FLUKA)

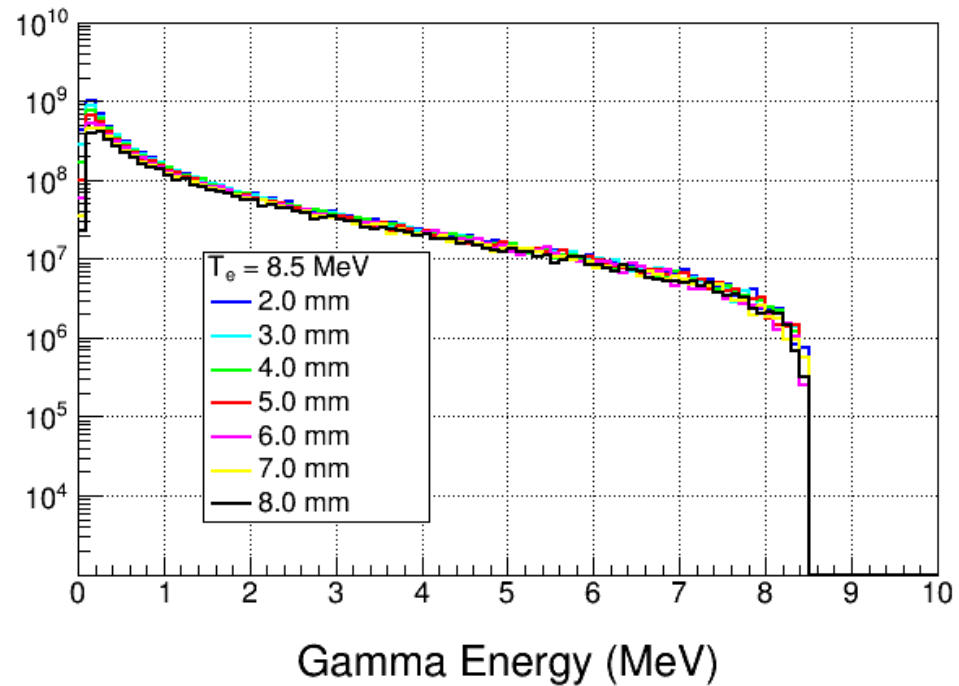


# Photons Entering the Chamber

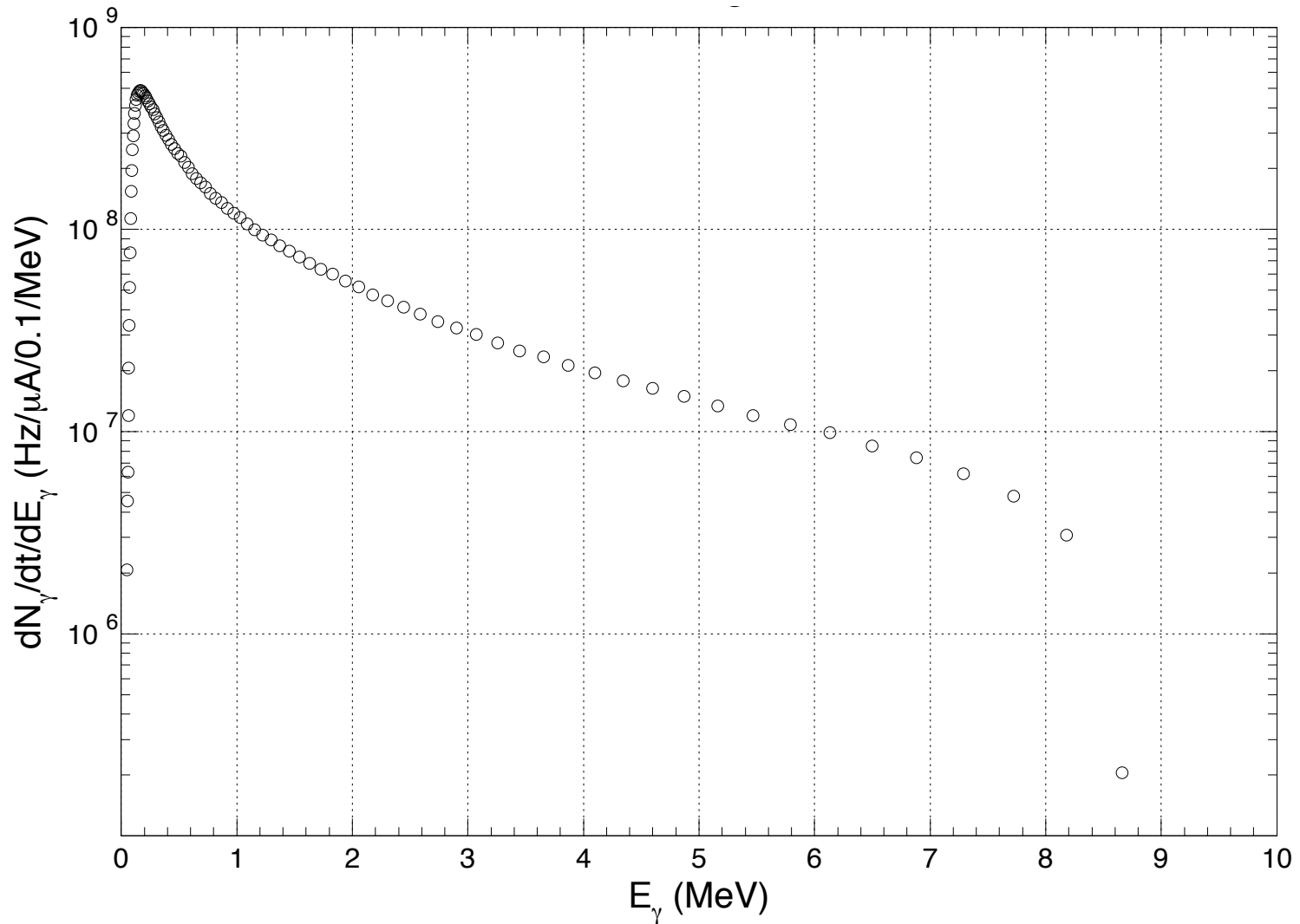
## FLUKA



## Geant4

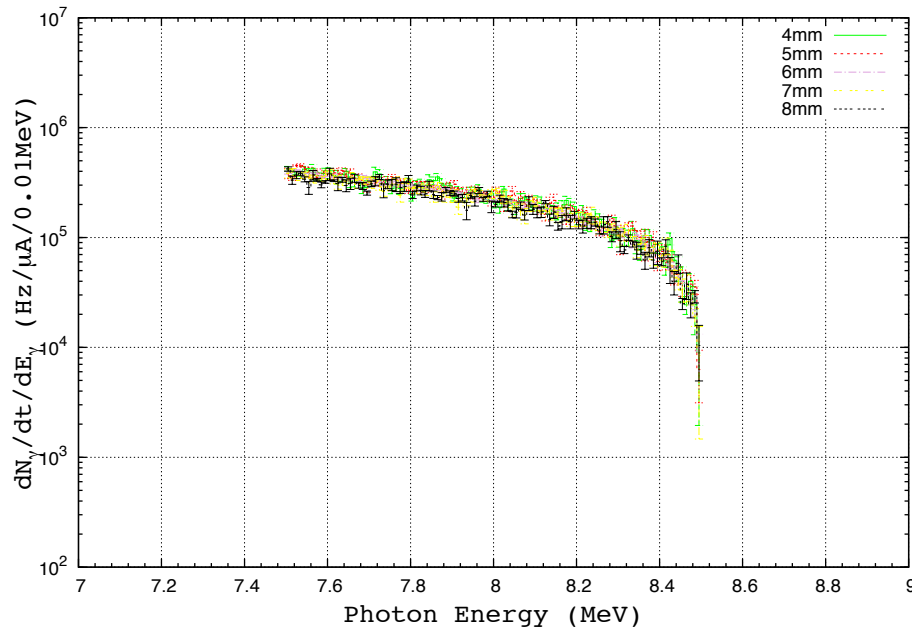


# Forward ( $0^\circ < \Omega < 0.5^\circ$ ) Photon Spectrum (Geant3)

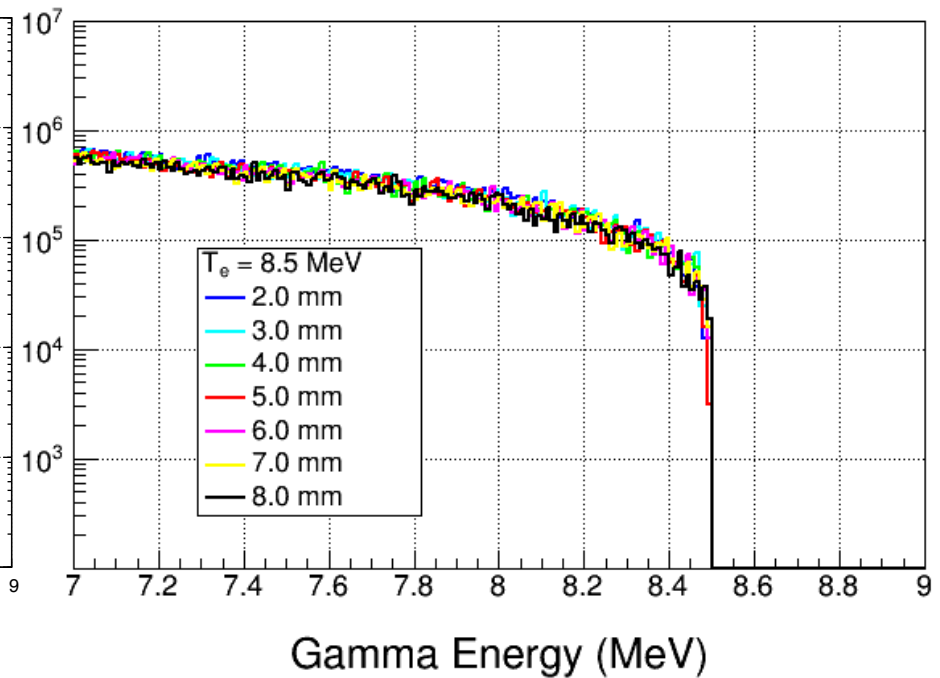


# Photons ( $E > 7.5$ MeV) Entering the Chamber

## FLUKA



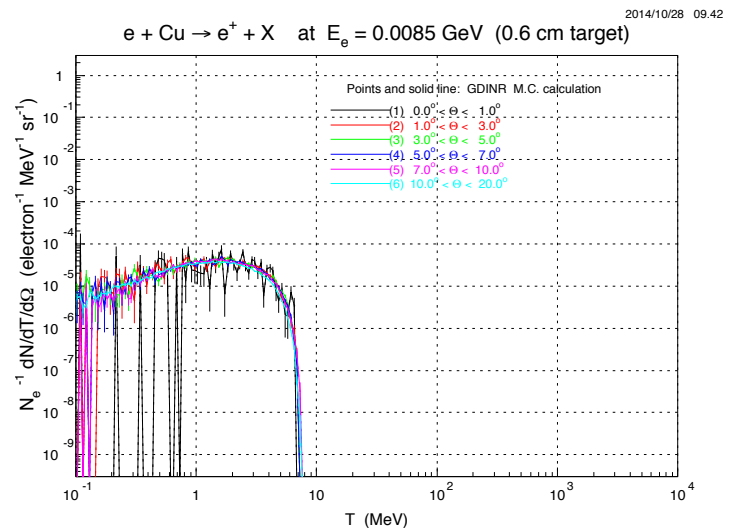
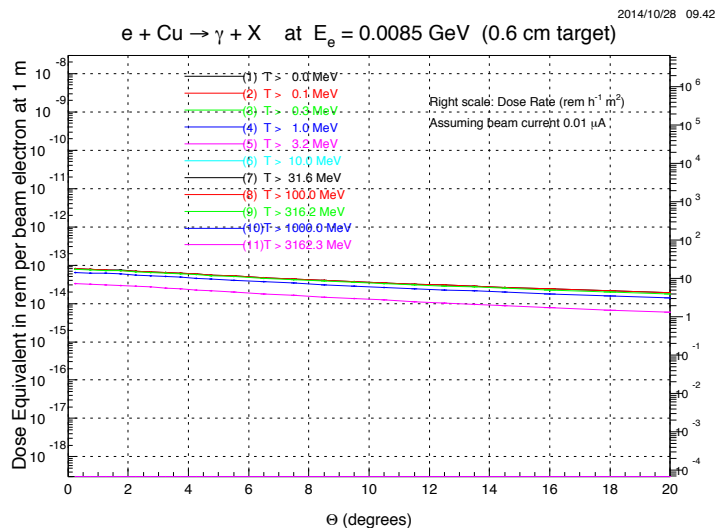
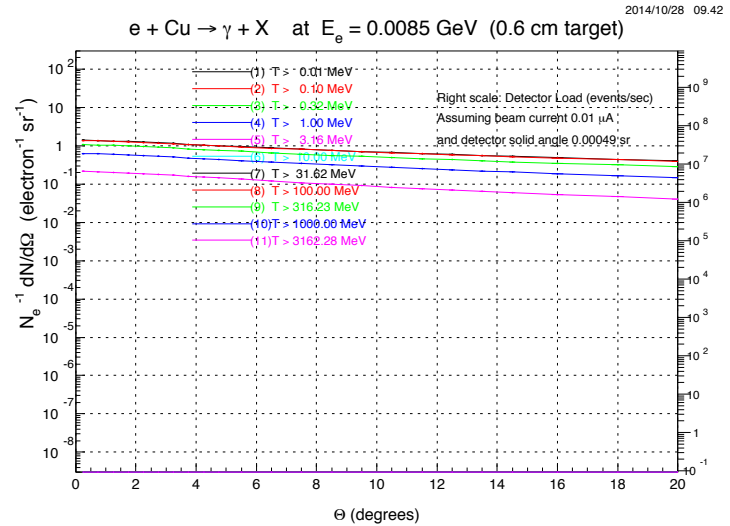
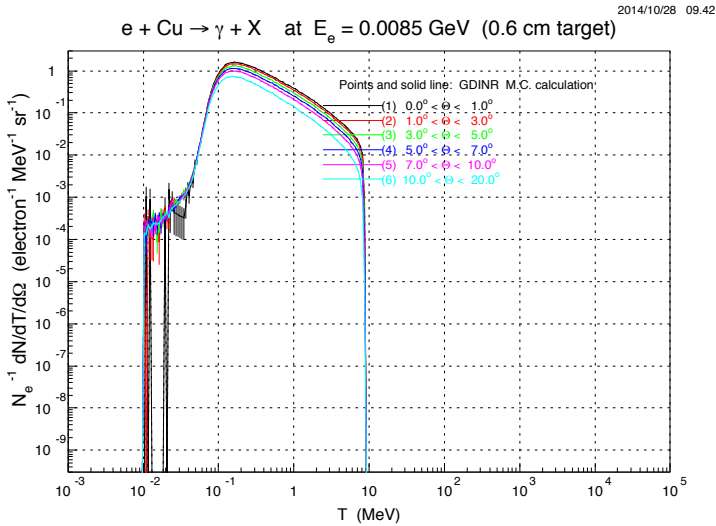
## Geant4



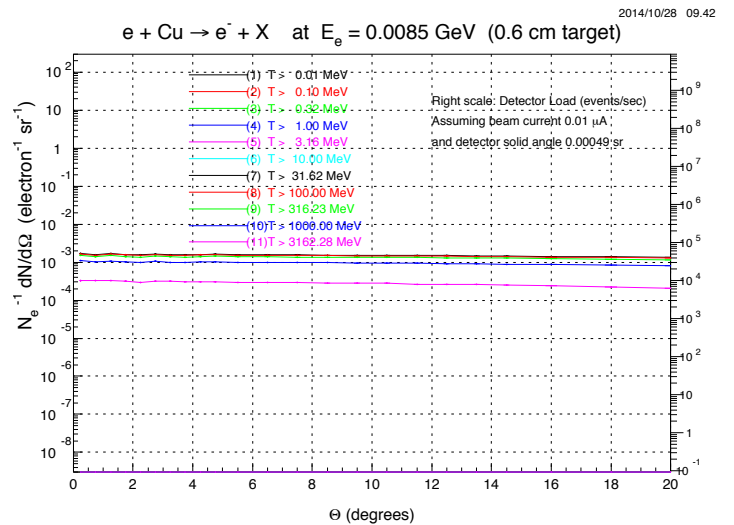
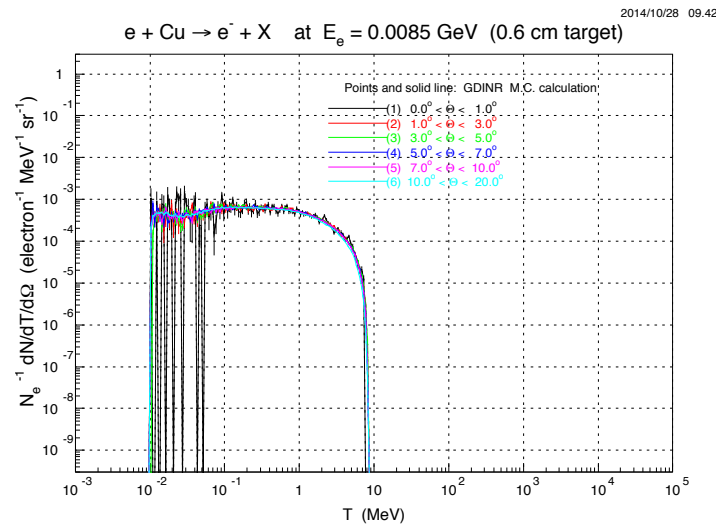
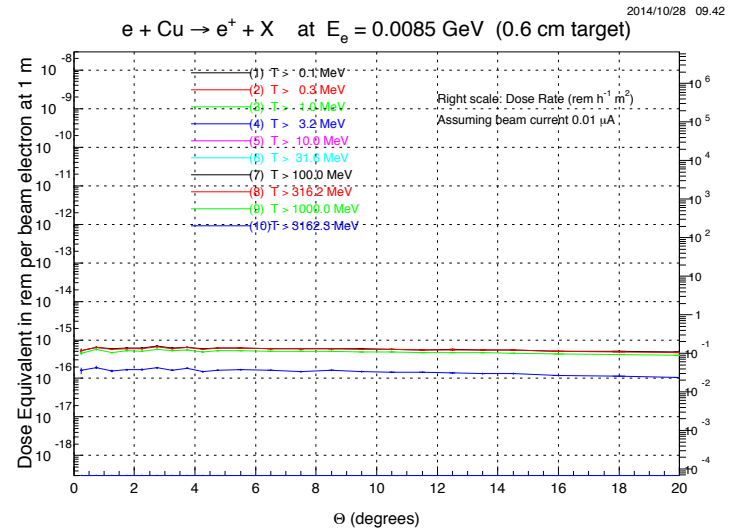
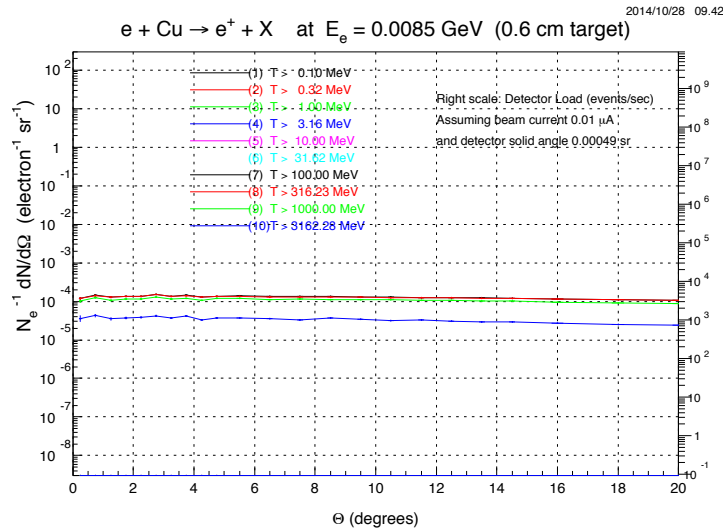
# EXTRA SLIDES



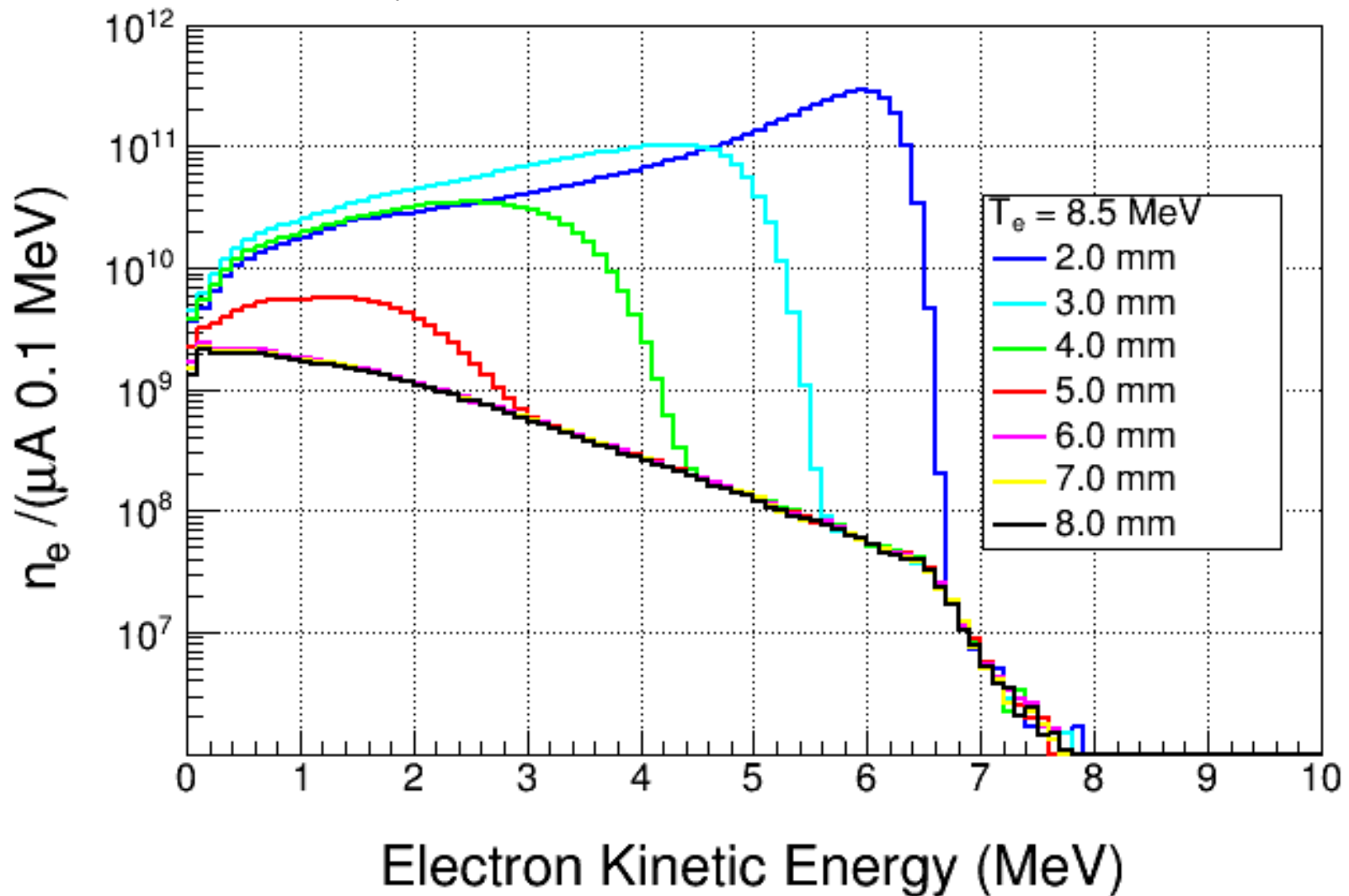
# Sourceterm - 8.5 MeV $e^-$ on 6mm Radiator (Geant3)



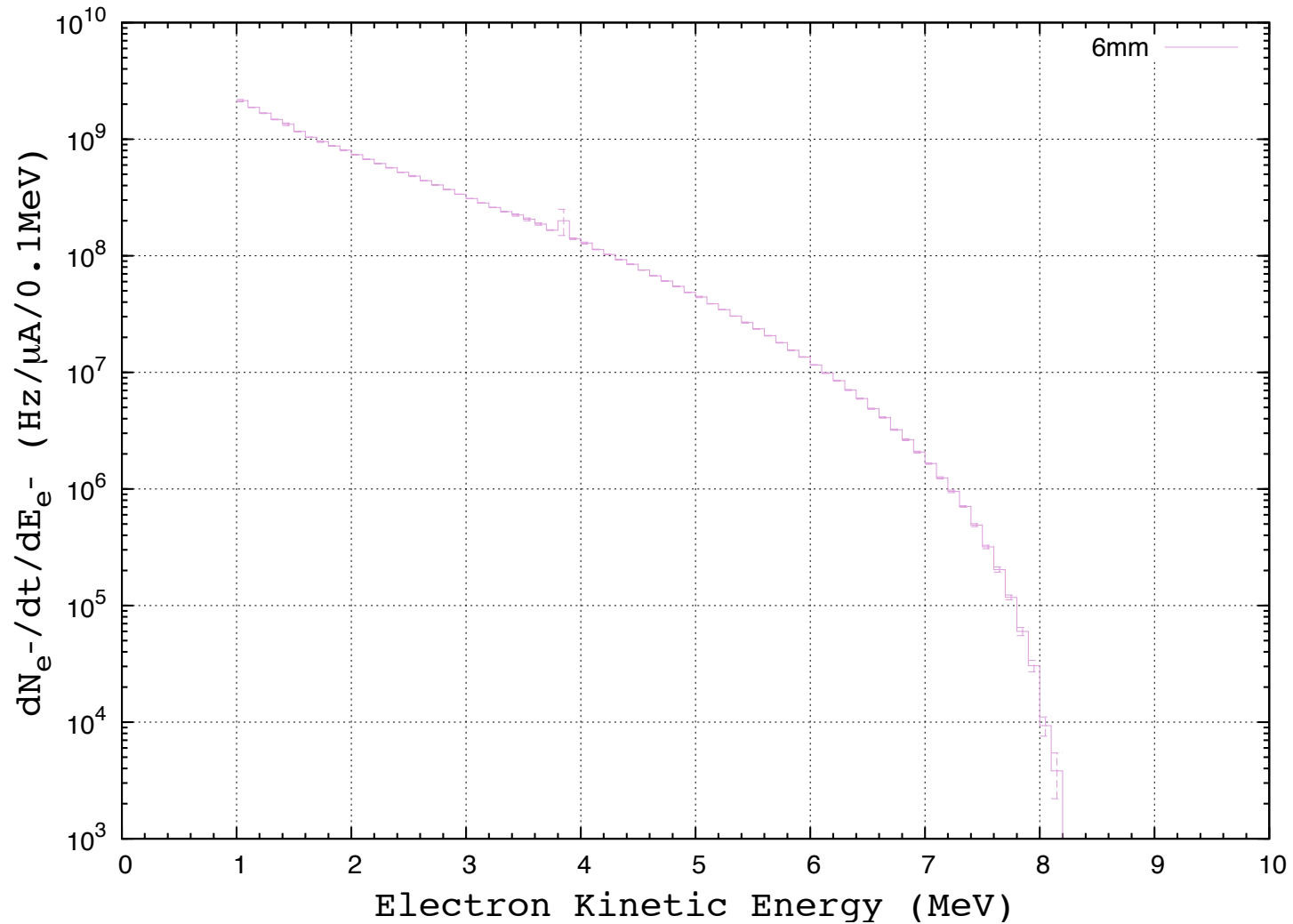
# Sourceterm - 8.5 MeV e<sup>-</sup> on 6mm Radiator (Geant3)



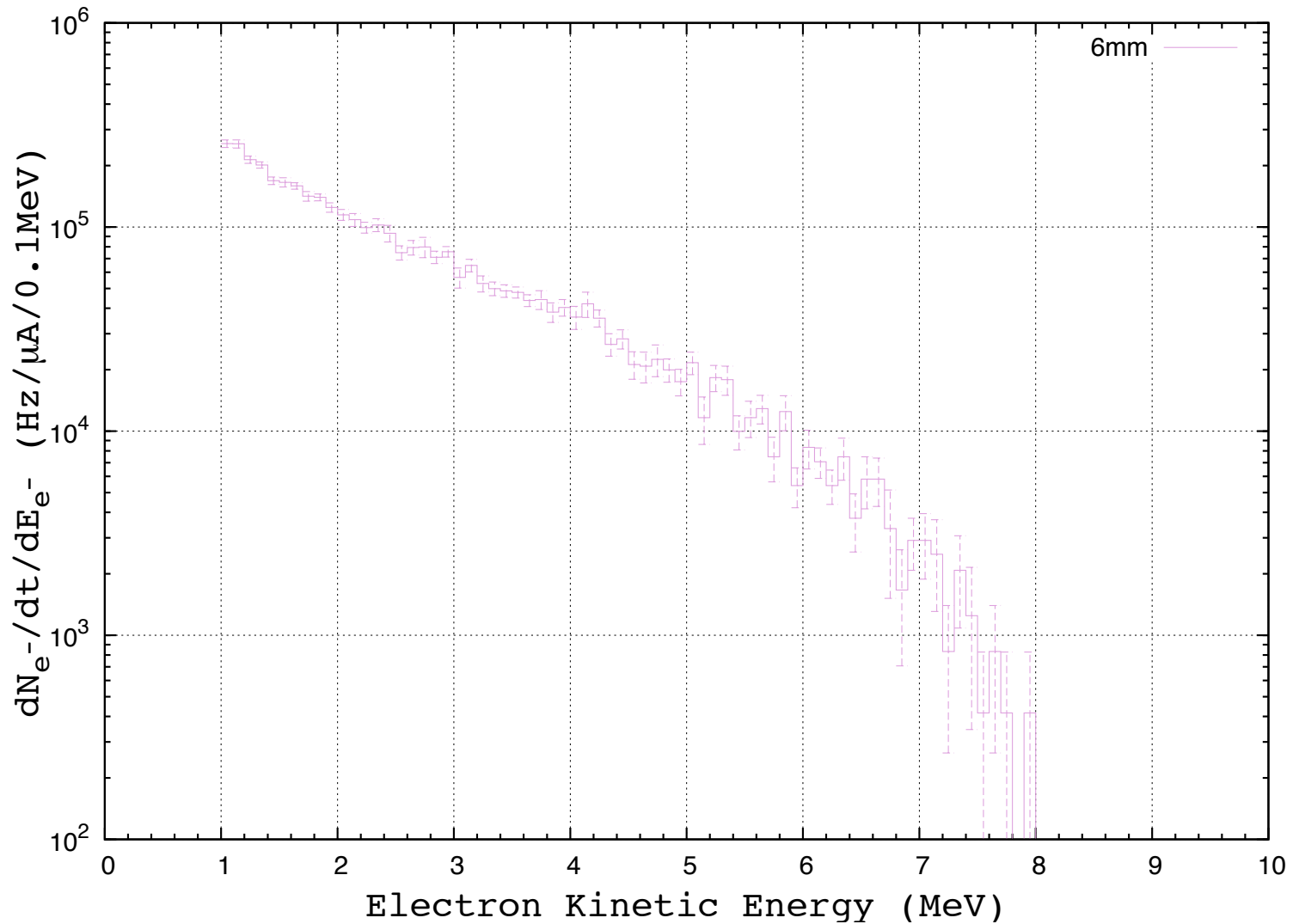
# Electrons Exiting Radiator – $\cos\Theta > 0$ (Geant4)



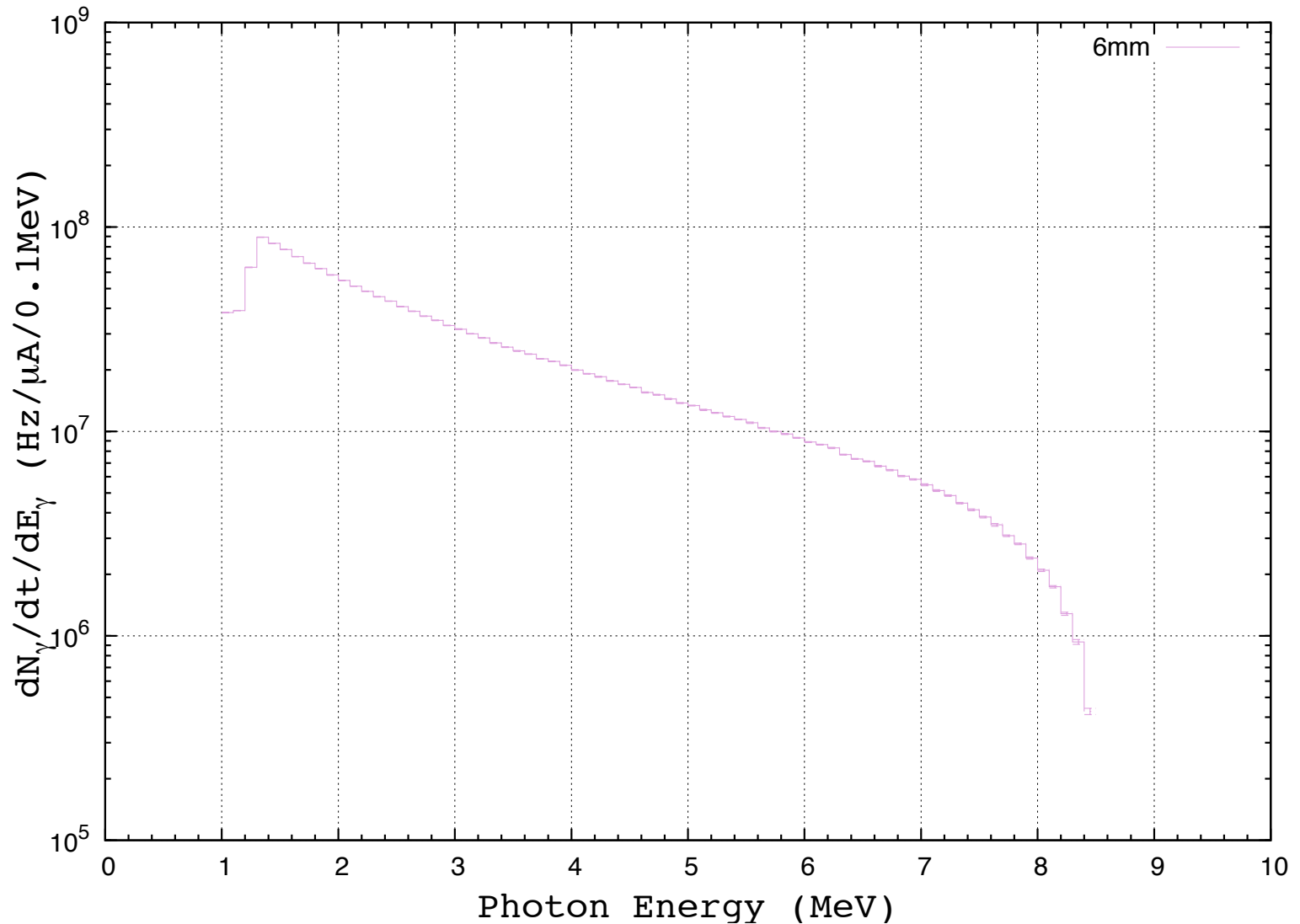
# Electrons Exiting 6mm Radiator (FLUKA)



# Electrons Entering Chamber (FLUKA)



# Photons Entering Chamber (FLUKA)



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

