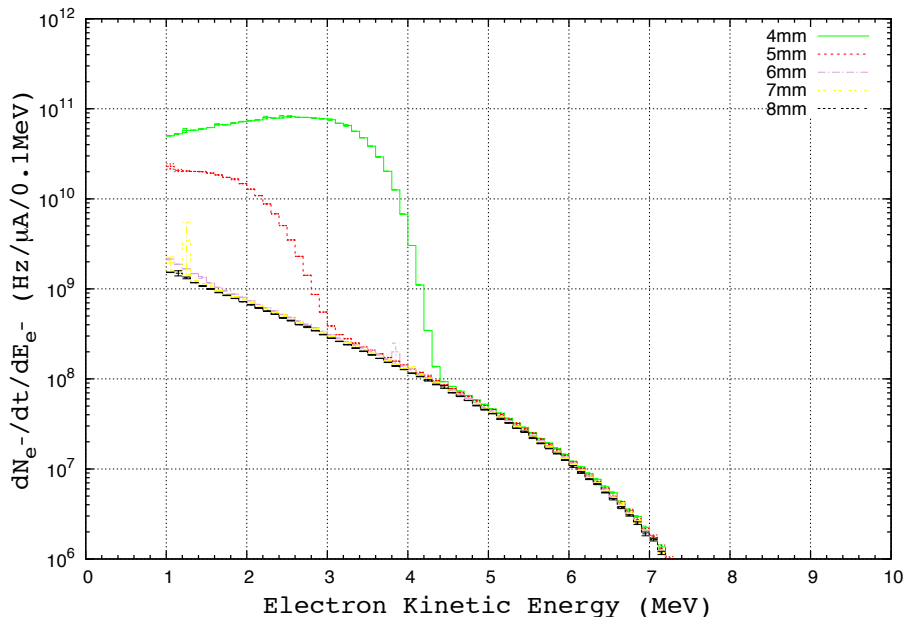# Summary of Monte-Carlo Calculations of the Bubble Chamber Engineering Run Setup Using 8.5 MeV Kinetic Energy Electron Beam
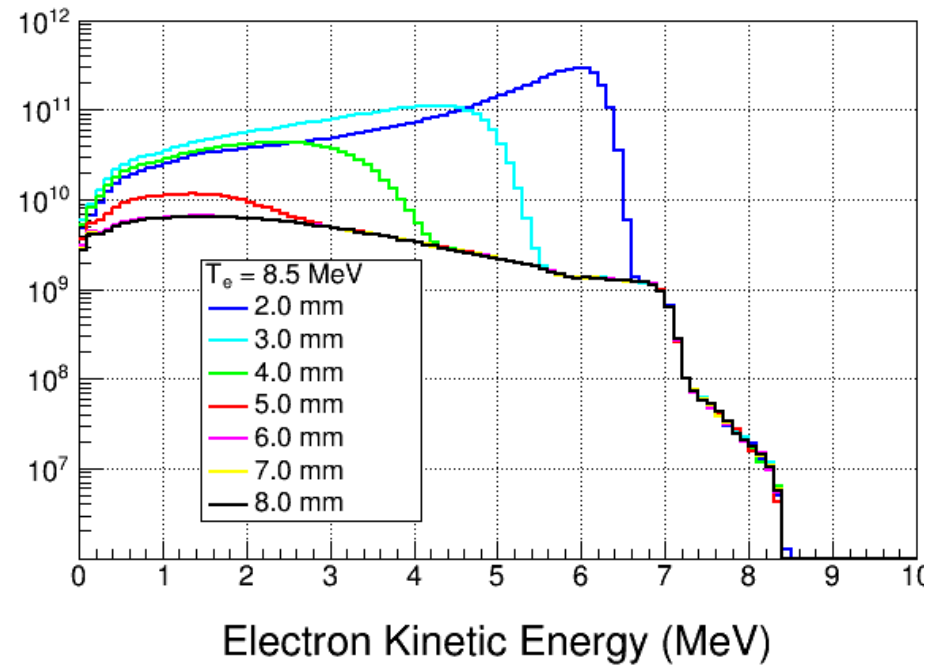
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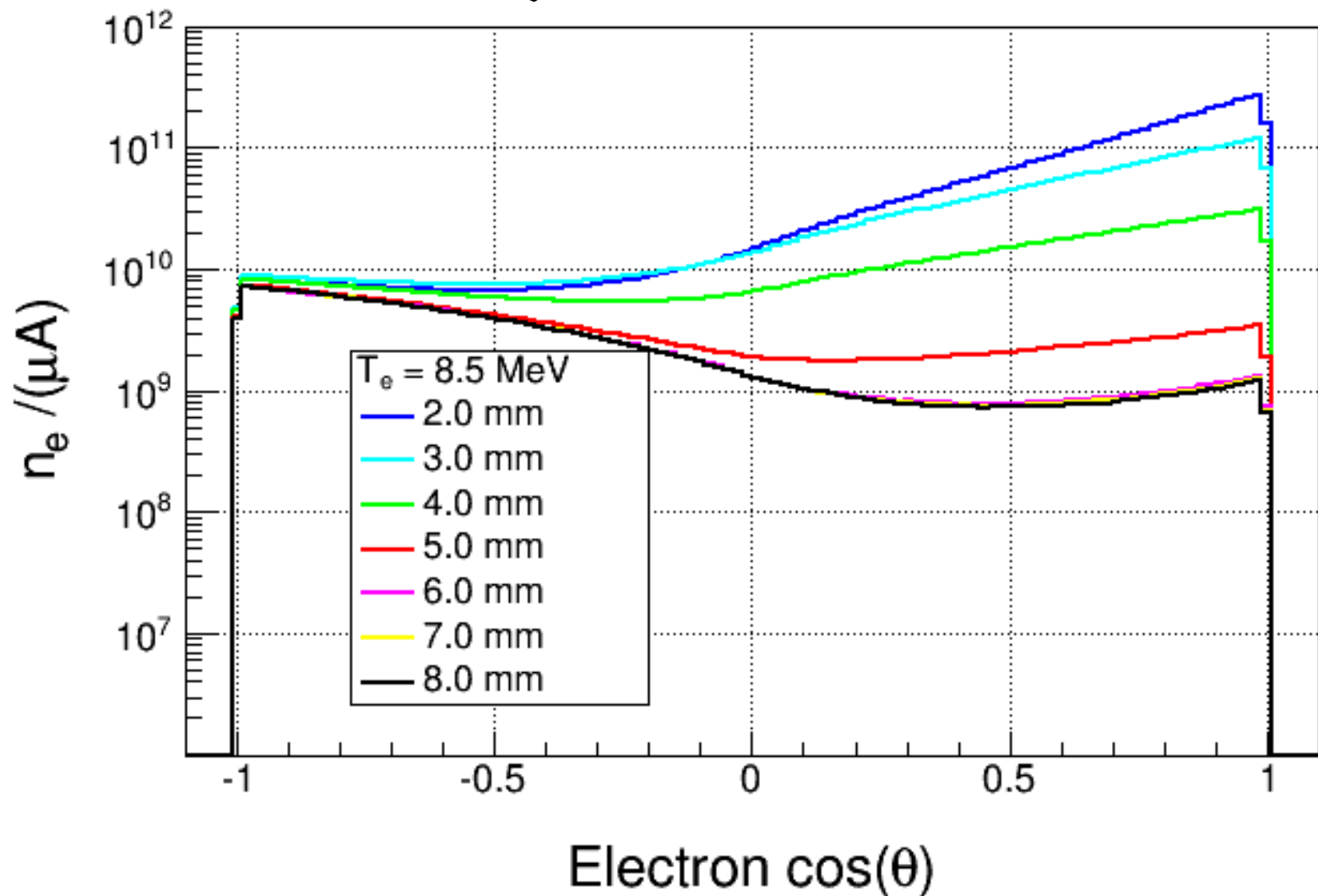
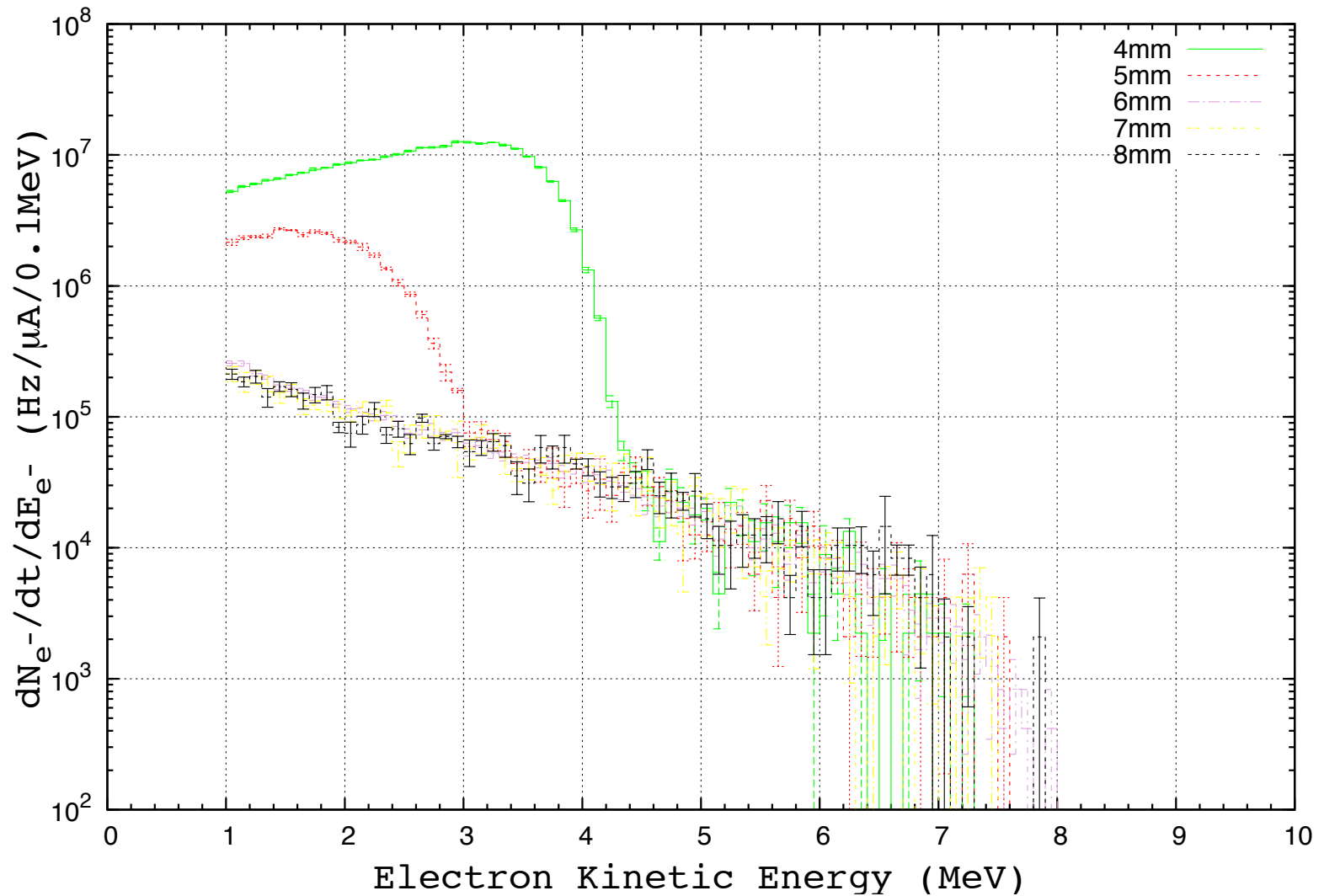# Electrons Exiting Copper Radiator

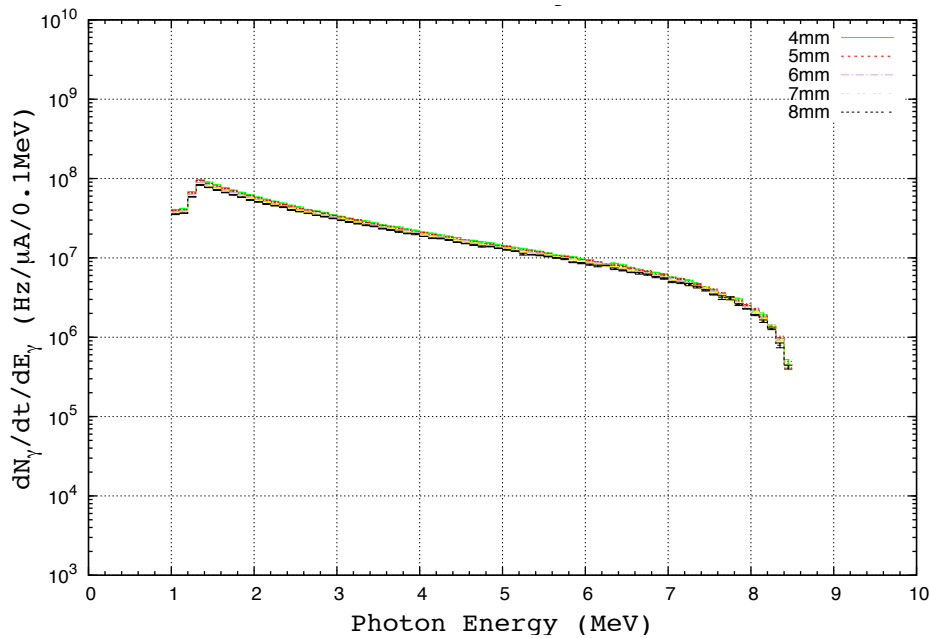## FLUKA

Geant4

Electrons Exiting Radiator (Geant4)

Electrons Entering 1cm Diameter Chamber (FLUKA)

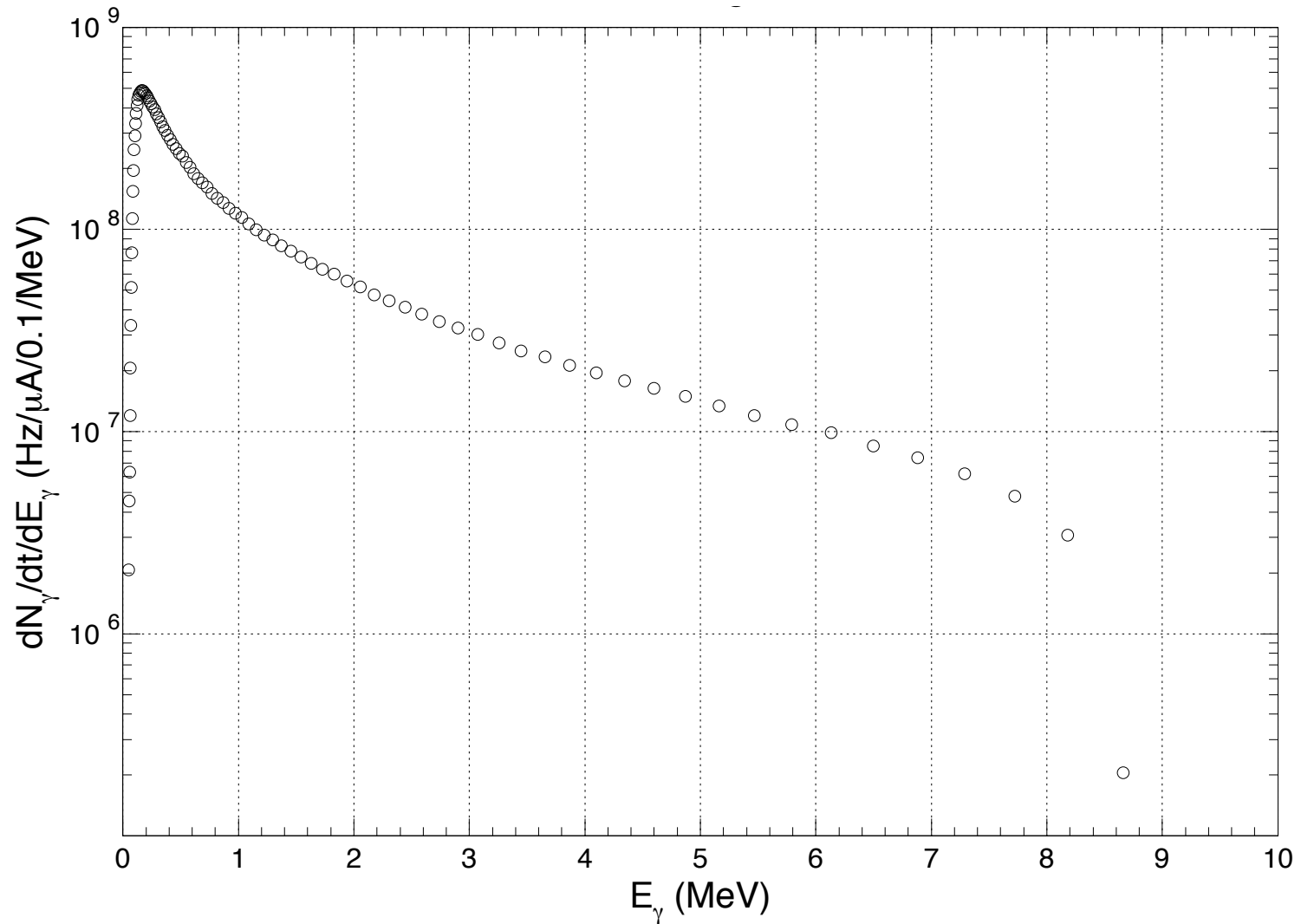# Photons Entering the Chamber
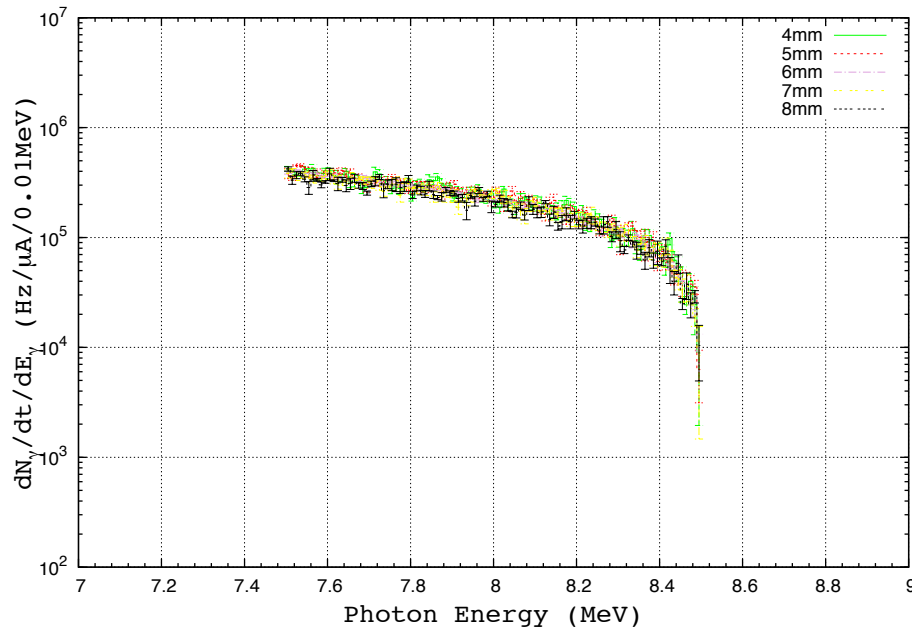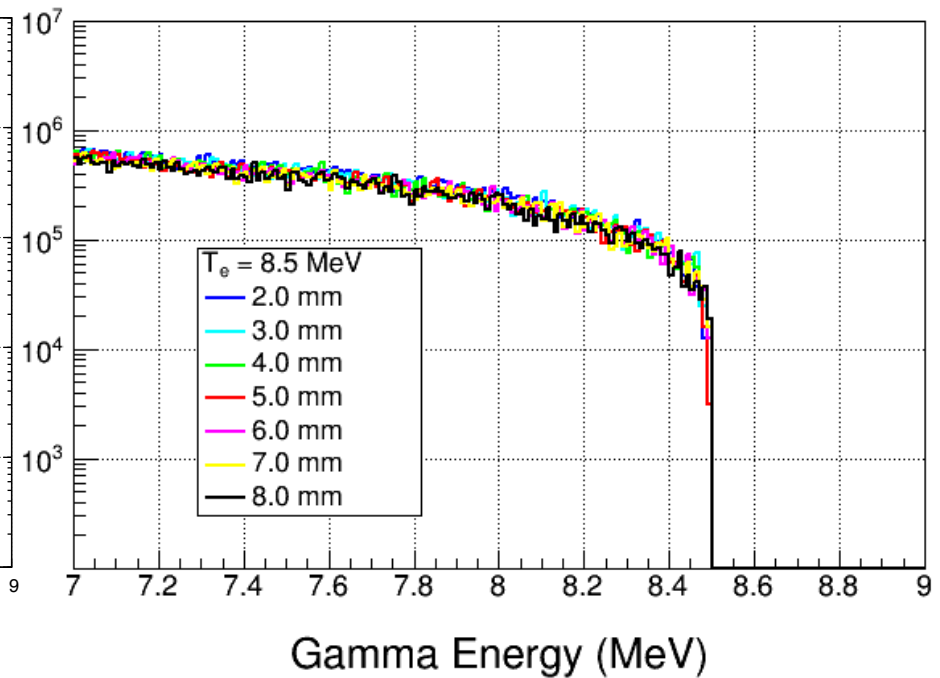
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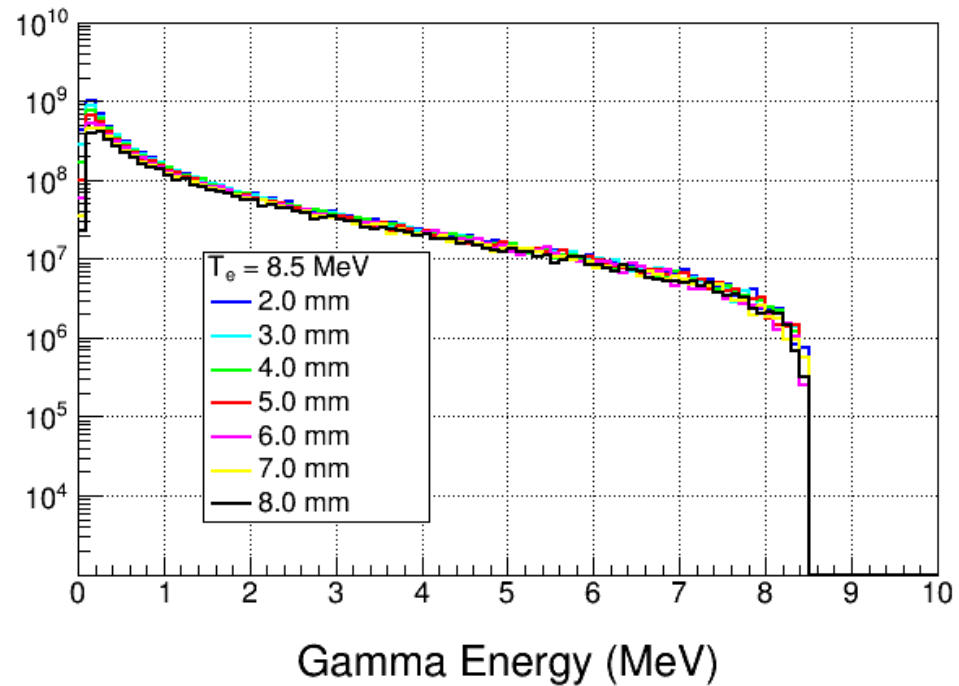
Photons Entering the Chamber (Geant3)

Photons (E >7.5 MeV) Entering the Chamber

FLUKA

Geant4

EXTRA SLIDES

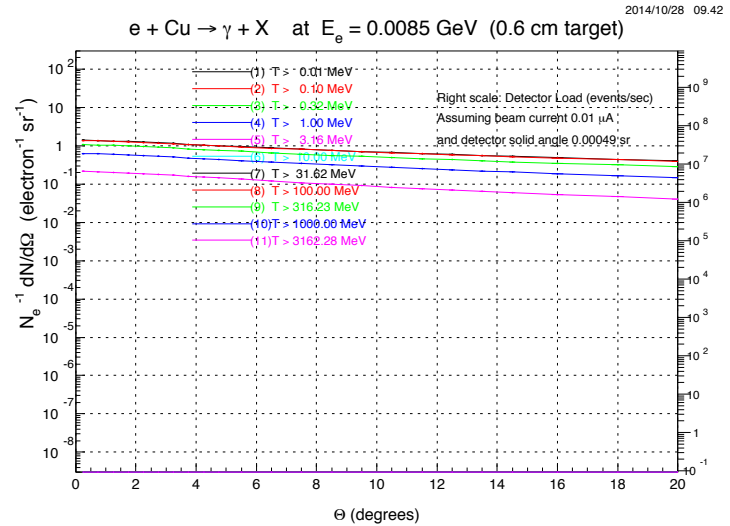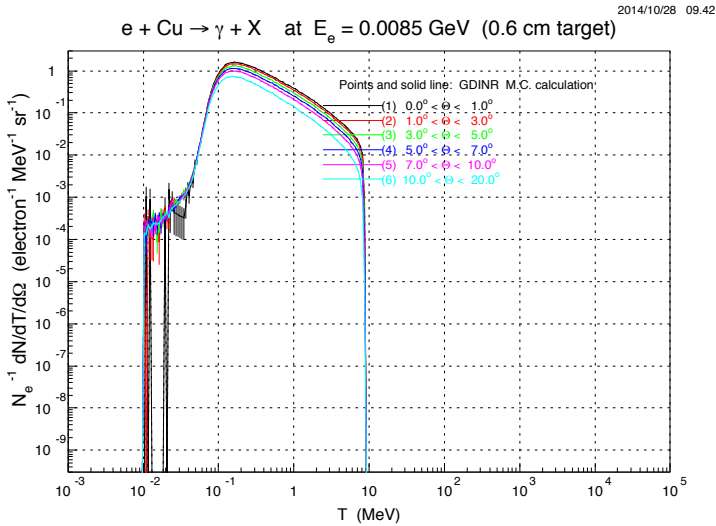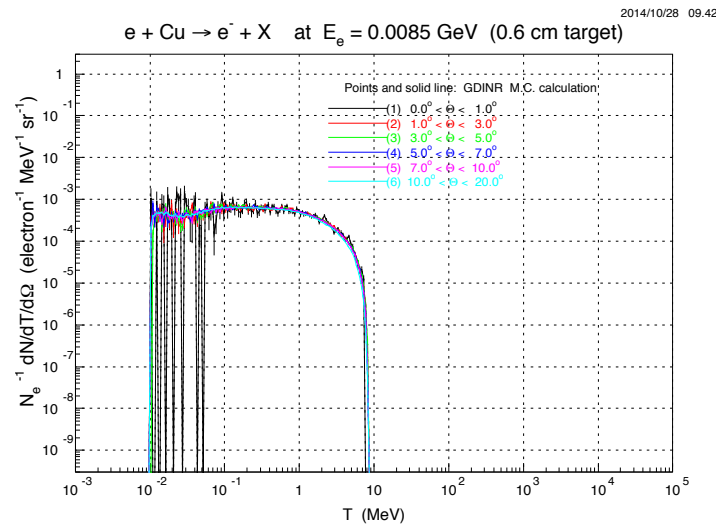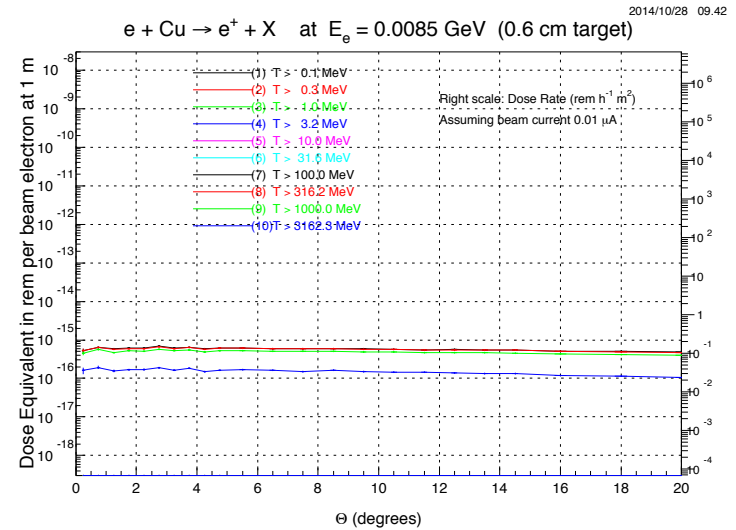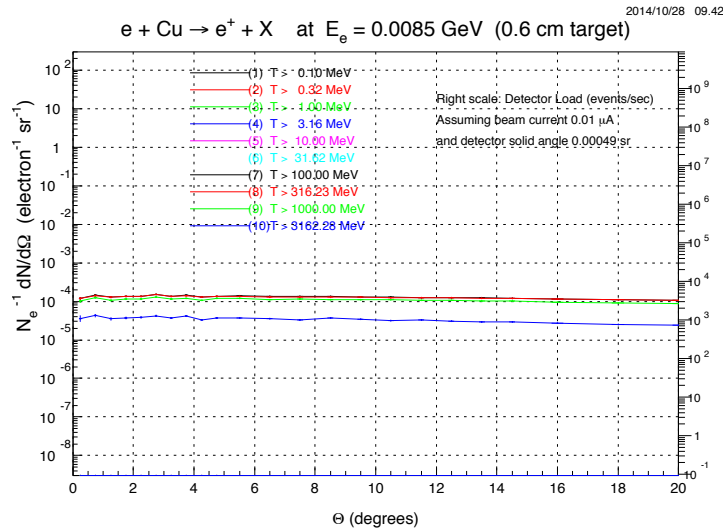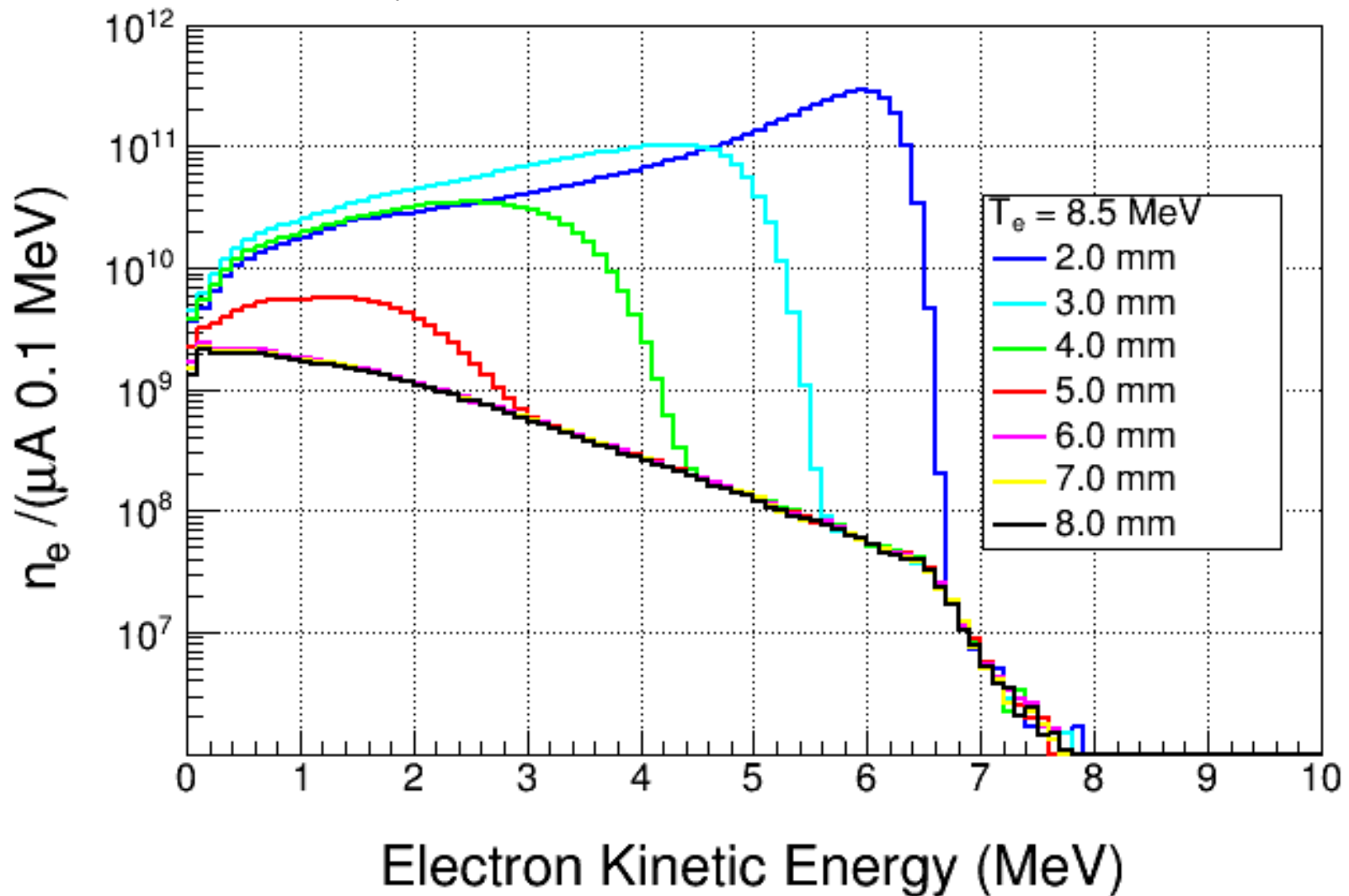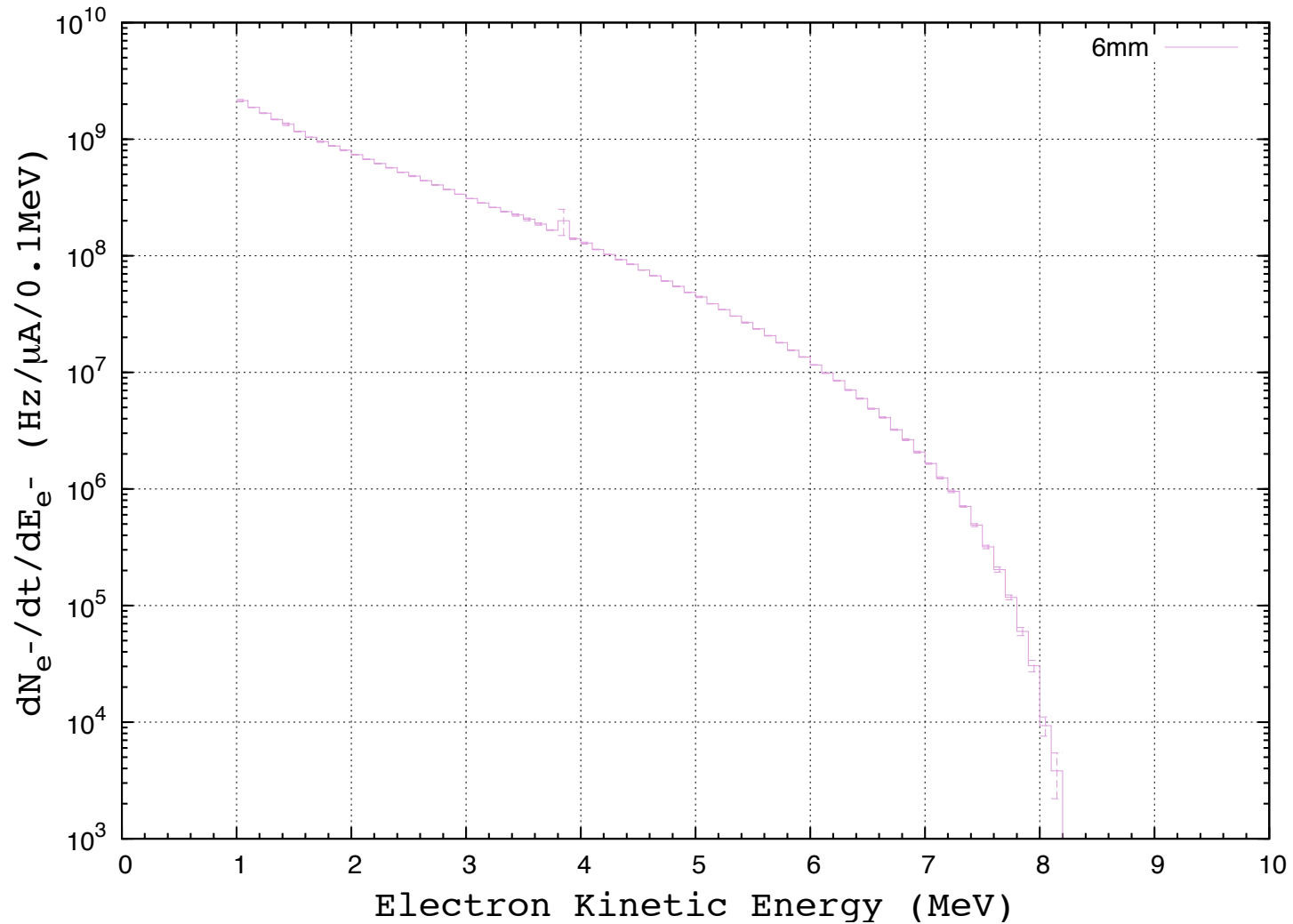# Sourceterm - 8.5 MeV e⁻ on 6mm Radiator (Geant3)

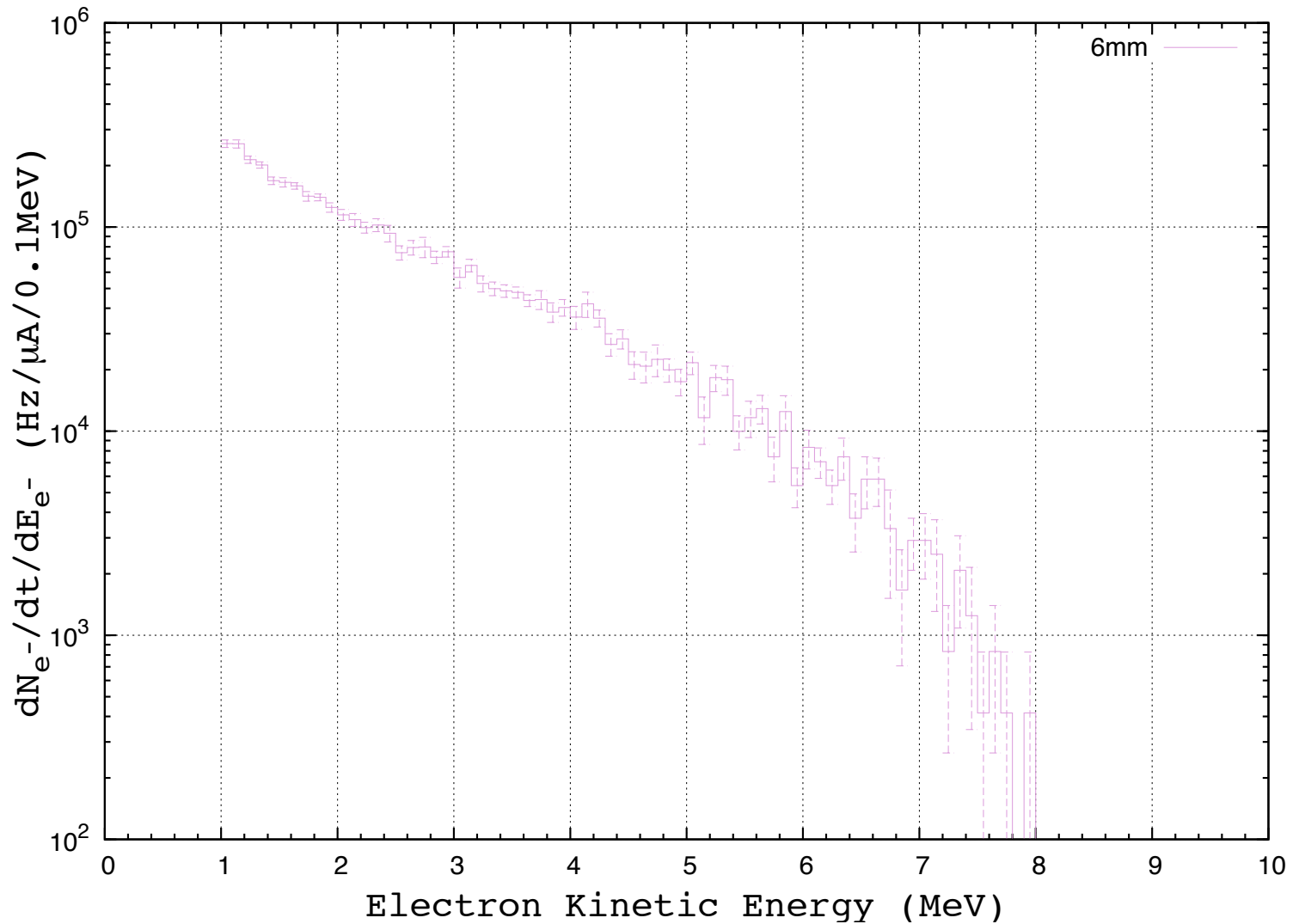# Sourceterm - 8.5 MeV e⁻ on 6mm Radiator (Geant3)

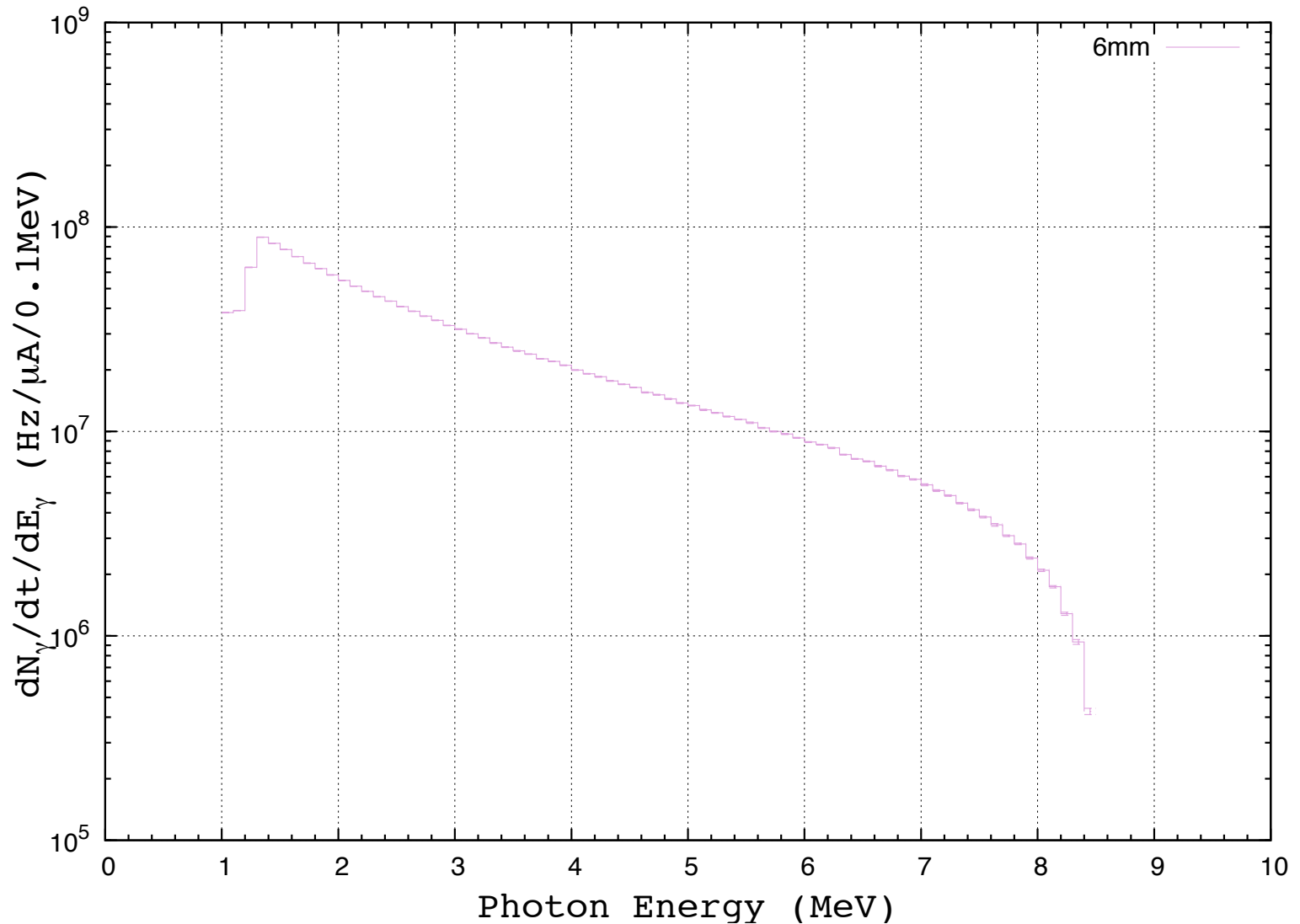Jefferson Lab
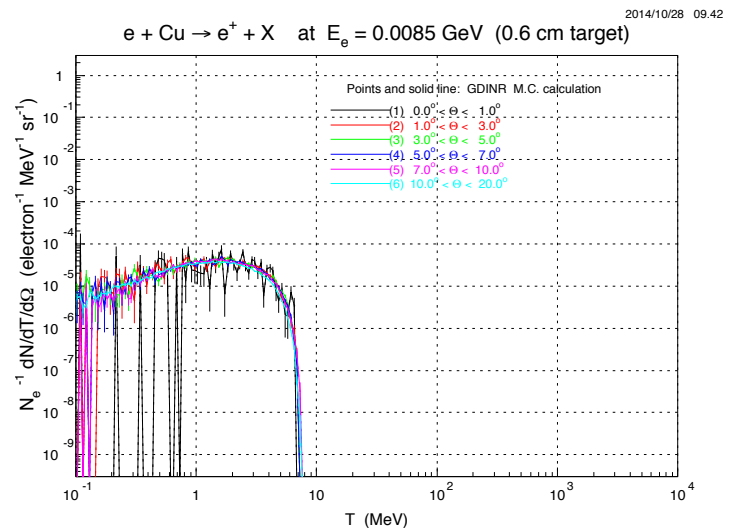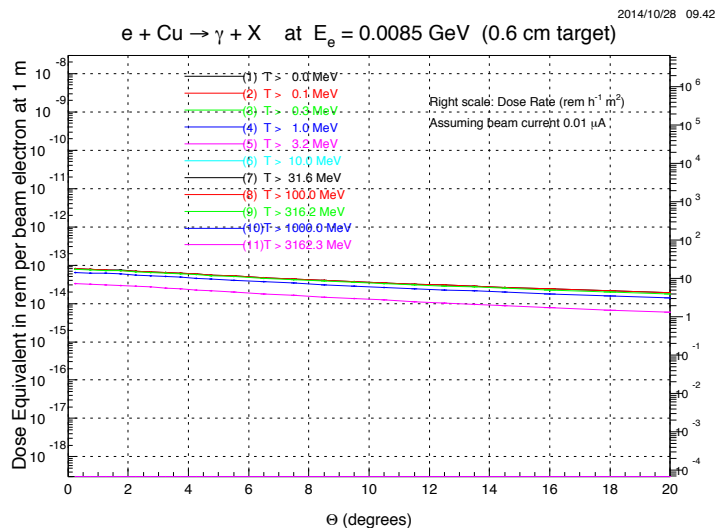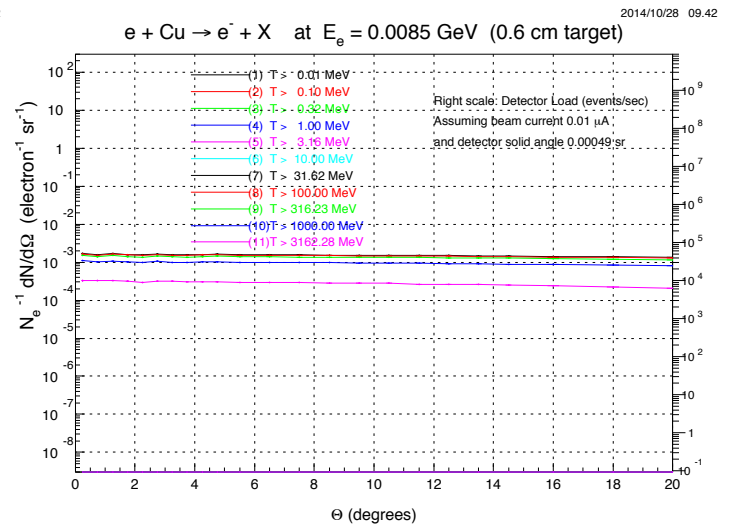
Electrons Exiting Radiator – cosΘ > 0 (Geant4)

Electrons Exiting 6mm Radiator (FLUKA)

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Electrons Entering Chamber (FLUKA)

Photons Entering Chamber (FLUKA)

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