Discussion quantities, cavity theory

- Define radiation dose from energy budget. Consider (1) irradiation with electrons and (2) with photons. Why do we have to include $R_{in,\gamma}$ and $R_{in,c}$ for case (1) and (2), respectively?
- Copper (Z=29) and aluminum (Z=13) are irradiated with 50 keV photons. Energy fluence is identical for the two cases. Assume CPE. Will the two metals receive the same dose? If not, which will receive the highest dose?
- What is *transient* charged particle equilibrium? Contrast with charged particle equilibrium
- Discuss why total stopping power for electrons does not provide accurate estimates of energy deposition