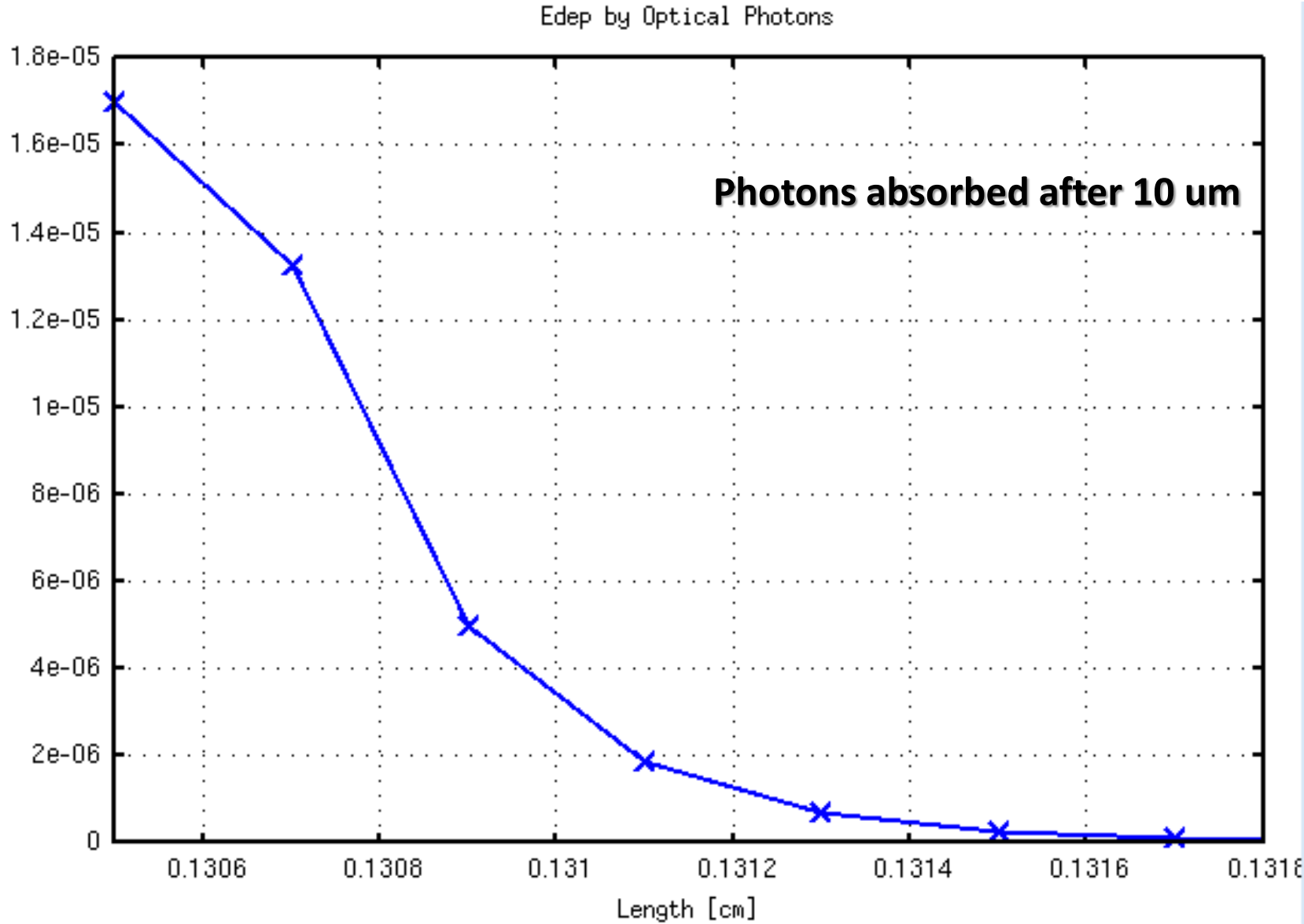
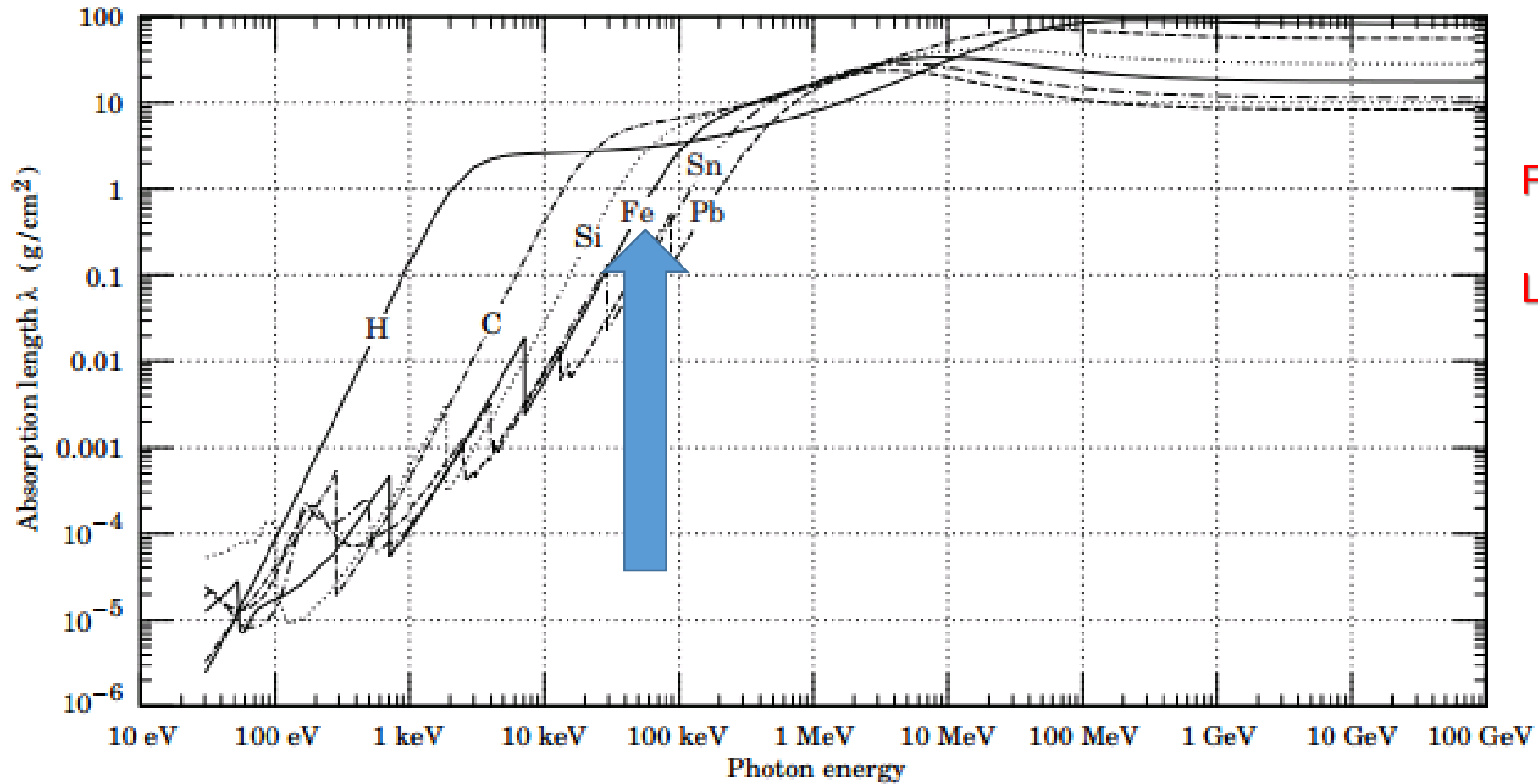


FLUKA result – Deposited Energy



Test with higher energies – 100 keV

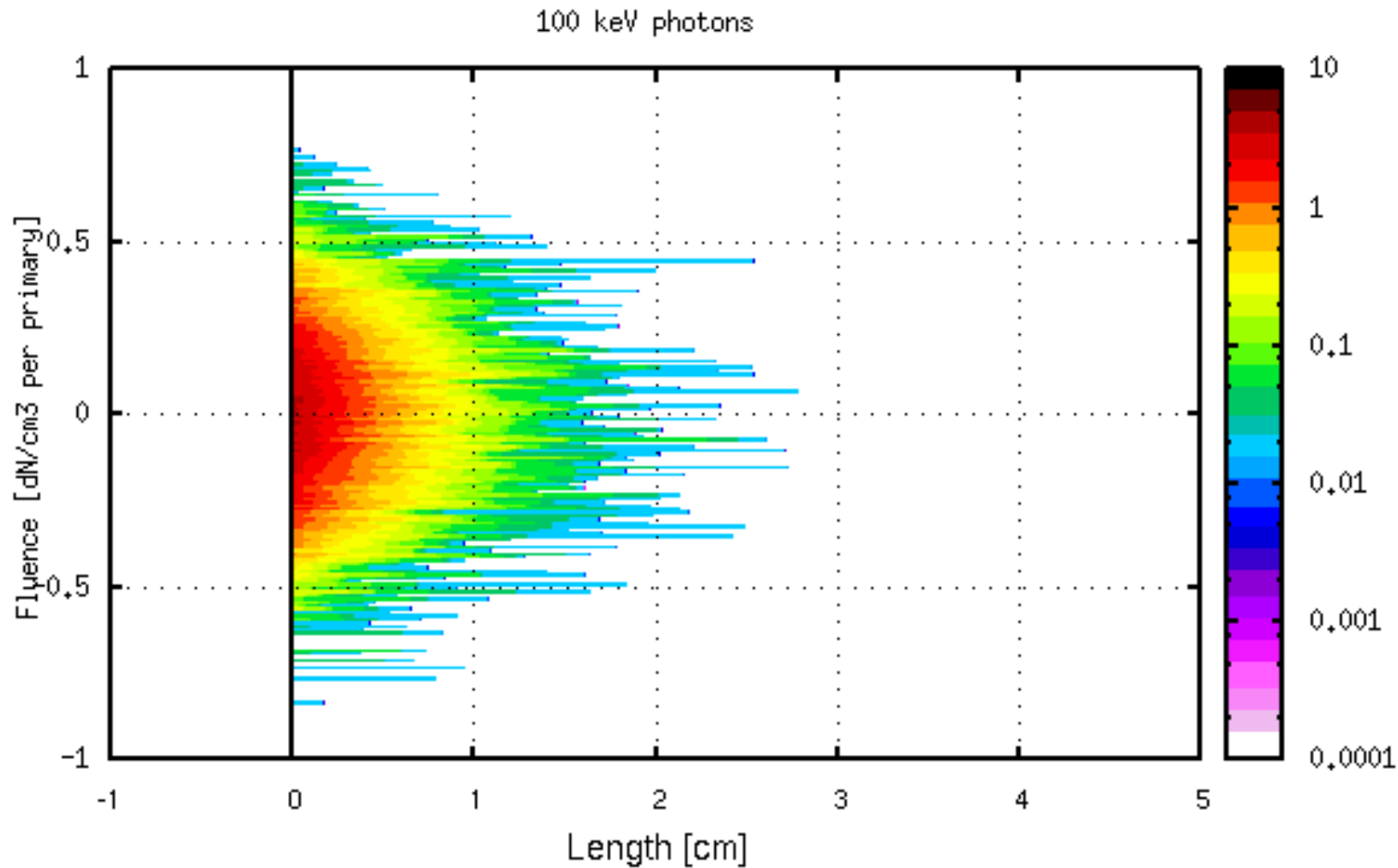


$$\ln(I/I_0) * \lambda = \rho L \Rightarrow$$

For $I=0$

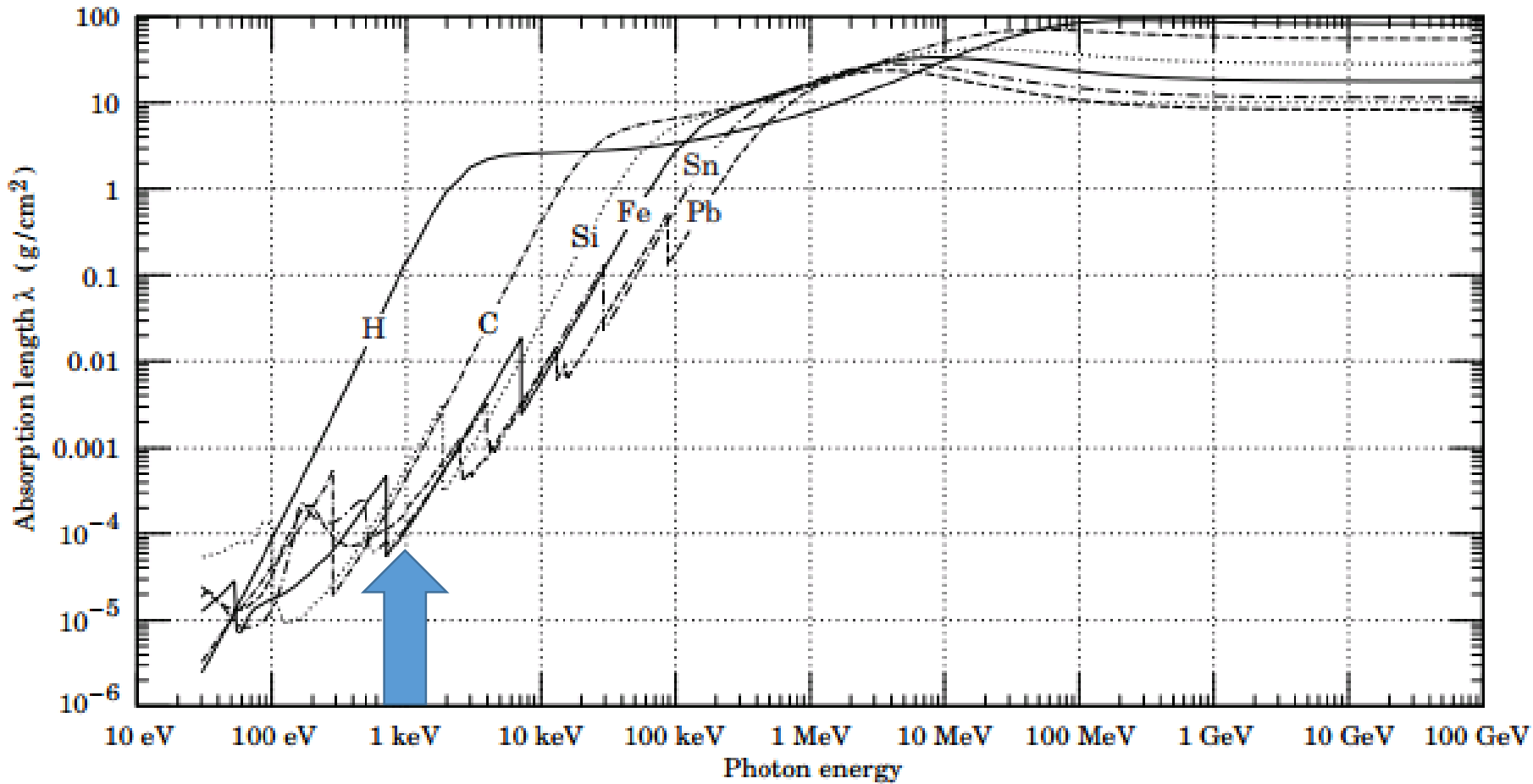
$$L = \lambda / \rho = 3 / 7.87 = 0.4 \text{ cm}$$

FLUKA fluence – λ for 100 keV: 0.4 cm



*Beam full stops after ~4
mean free path lengths*

Test with higher energies – 1 keV



$L = \lambda / \rho = 1.42857 \text{E-}05 \text{ cm} = 0.14 \text{ um}$

FLUKA fluence – λ for 1 keV: 1.42857E-05 cm

