Photon Attenuation Coefficient 10^{4} Attenuation Coefficient µ [cm⁻¹-Photoelectric Absorption 10^3 **Compton Scattering** Pair Production in Nuc. Field 10^2 Pair Production in Elec. Field **Total Attenuation** 10 $\mu = \frac{7}{9} \frac{\rho}{X_0}$ 10^{-1} 10^{-2} 10^{-3} 10^{-4} 10^{-3} 10^{-2} 10^3 10^{2} 10^{-1} 10^{4} 10^{5} 10 Photon Energy E [MeV]