PC3-PIP, Uniformly Dist. Nuclei,  $d_{nuc} = 5 \mu m$ , Activity = 25kBq / 1mL Cell Component 19630 Total Cell 42.74  $10^{-1}$ Membrane 6.228 Fraction of cells in sample / 10 keV bin Cytoplasm 10<sup>-2</sup> **Nucleus**  $10^{-3}$  $10^{-4}$ 10<sup>-5</sup>  $10^{-6}$  $10^{-7}$ 10<sup>-8</sup>  $10^{-9}$ 10<sup>-10</sup> 20 30 40 50 60 10 Energy Deposited [MeV]