PC3-PIP, Uniformly Dist. Nuclei, $d_{nuc} = 12 \mu m$, Activity = 25kBq / 1mLhDose 212Pb PC3 PIP 25kBq TotalCell mGyBinnir Cell Component 19630 Total Cell 2.233 10^{-1} Membrane 0.3249 Fraction of cells in sample / 1 mGy bin Cytoplasm 10⁻² **Nucleus** 10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{-7} 10⁻⁸ 10^{-9} 10⁻¹⁰ 20 40 60 80 100 120 140 160 180 200 Dose Delivered [Gy]