

Casino Simulations

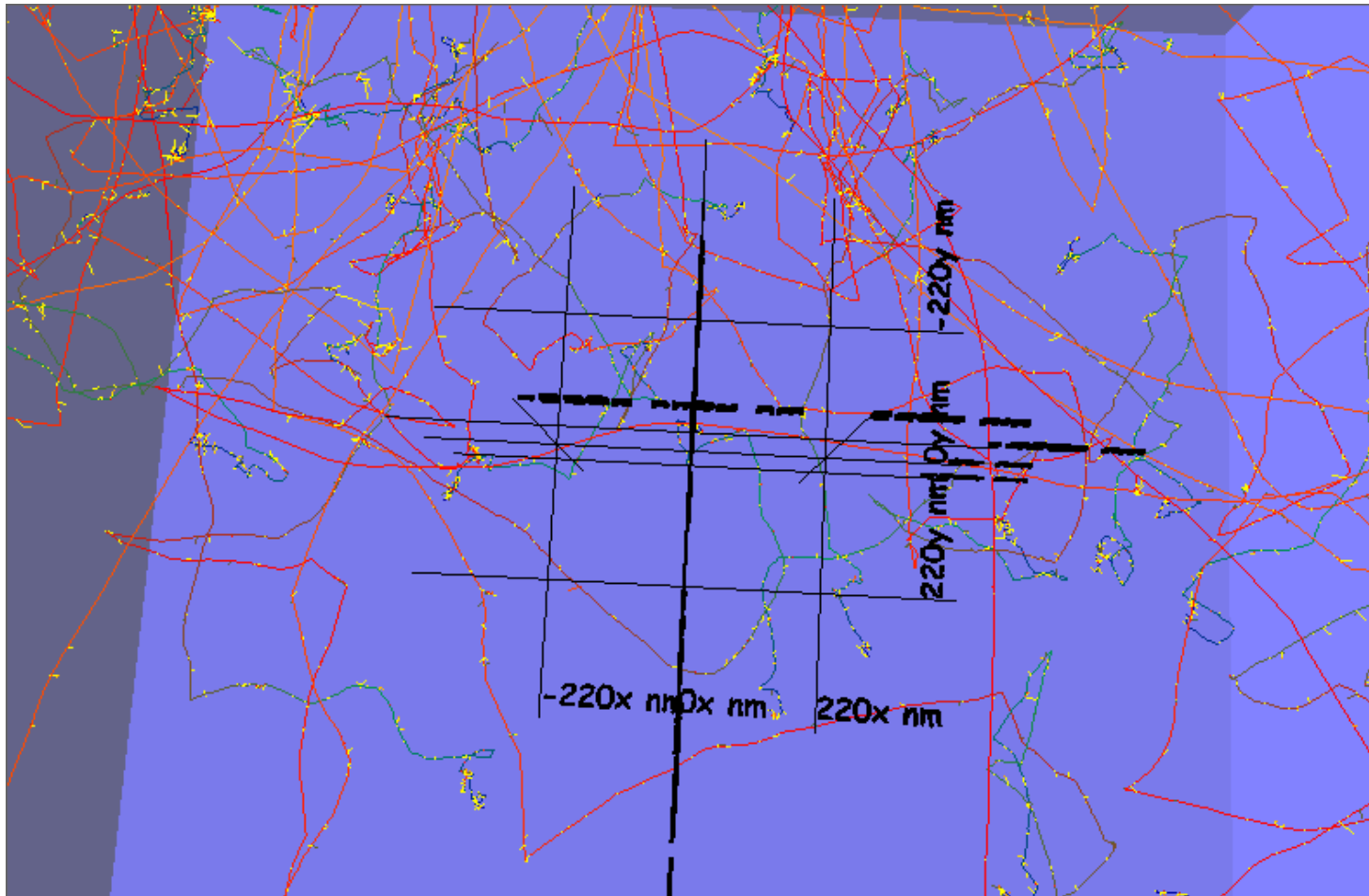
J.W. Flanagan

STURM Mtg. 2011.10.5

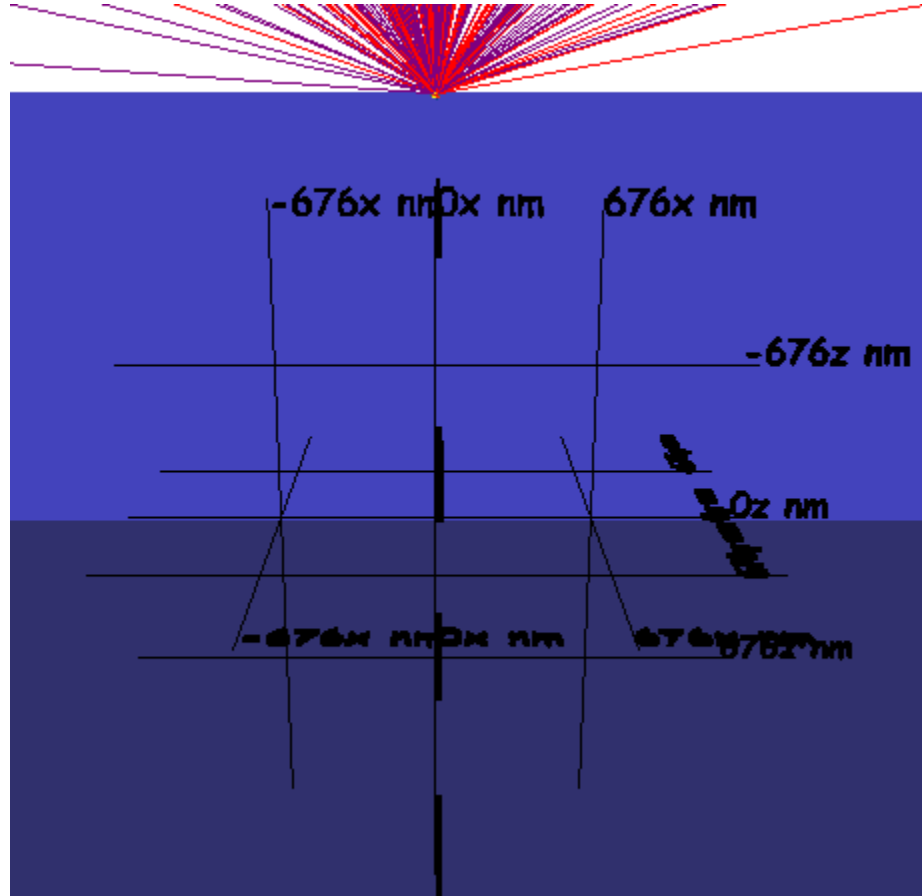
Casino 3.1

- Seems to generate secondaries ONLY if work function energy defined. Doesn't have that in library, so instead of InGaAs, substituted Ge.
- 20 um x 20 x 3.5 um cube of detector material.
- Electron energies of 1, 5, 10, 20, 30, 40, 50 KeV injected.
- 1000 electrons injected each time.

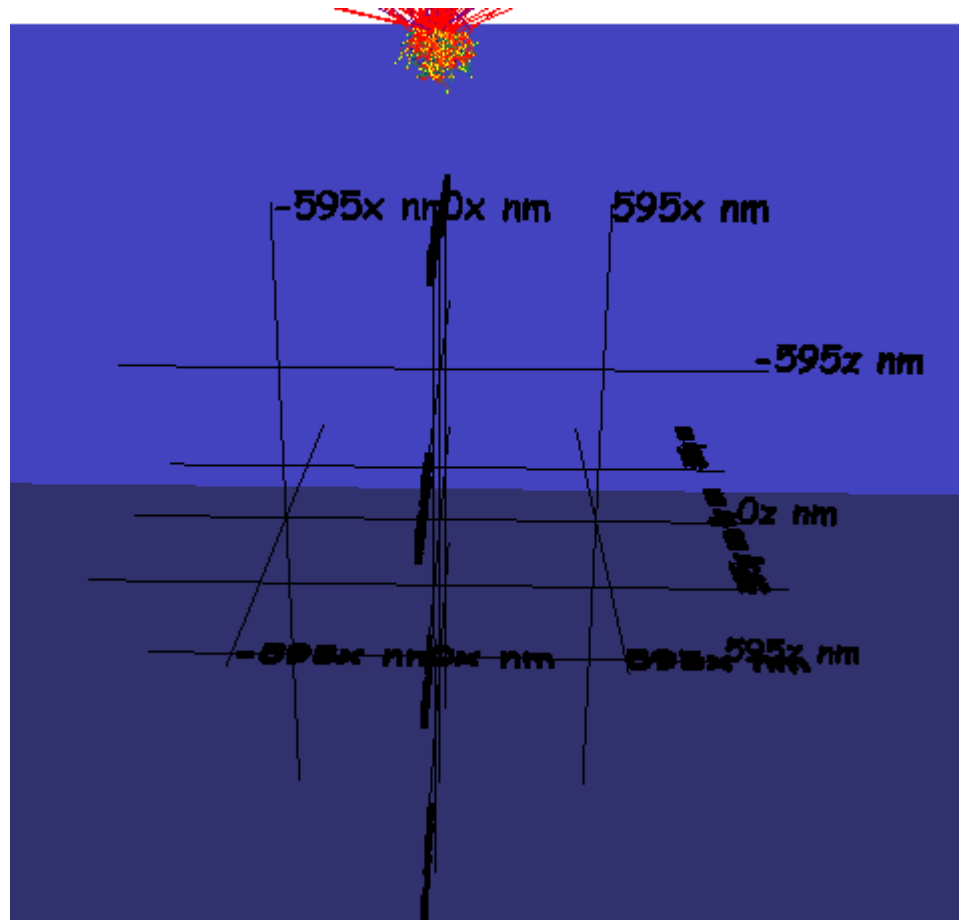
10 keV



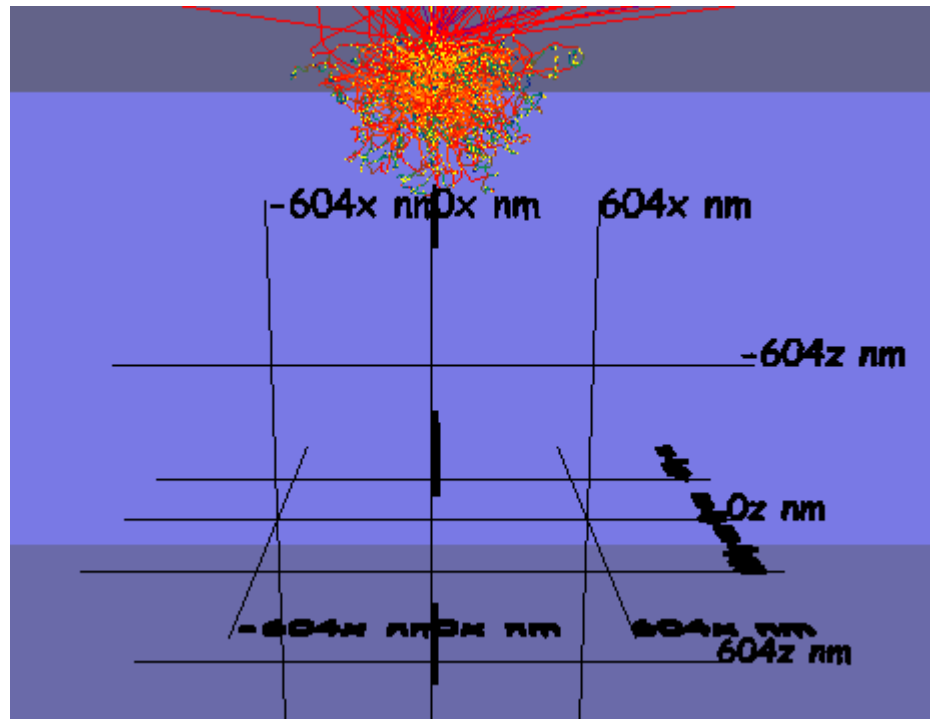
1 KeV



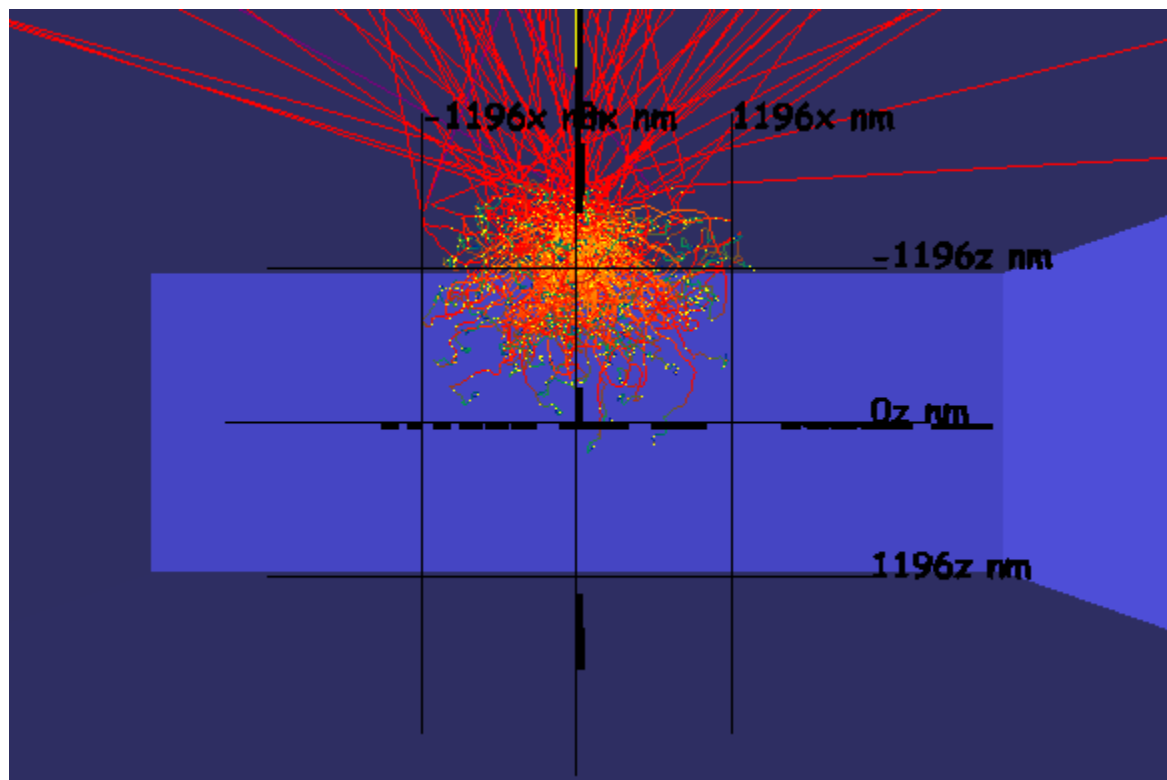
5 KeV



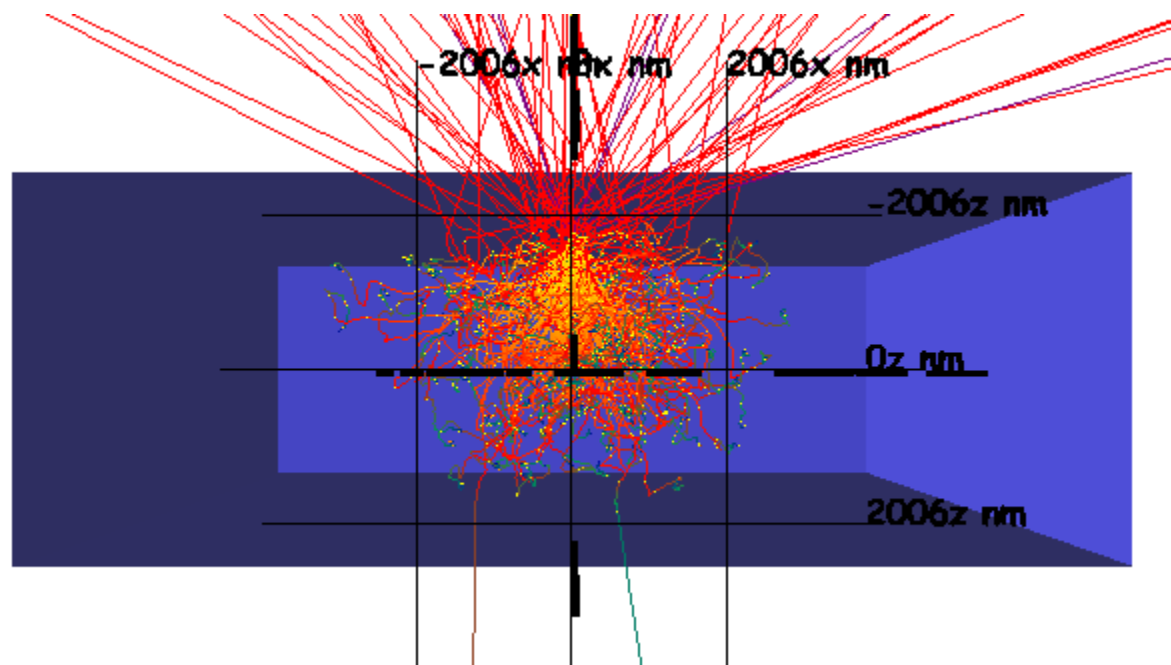
10 KeV



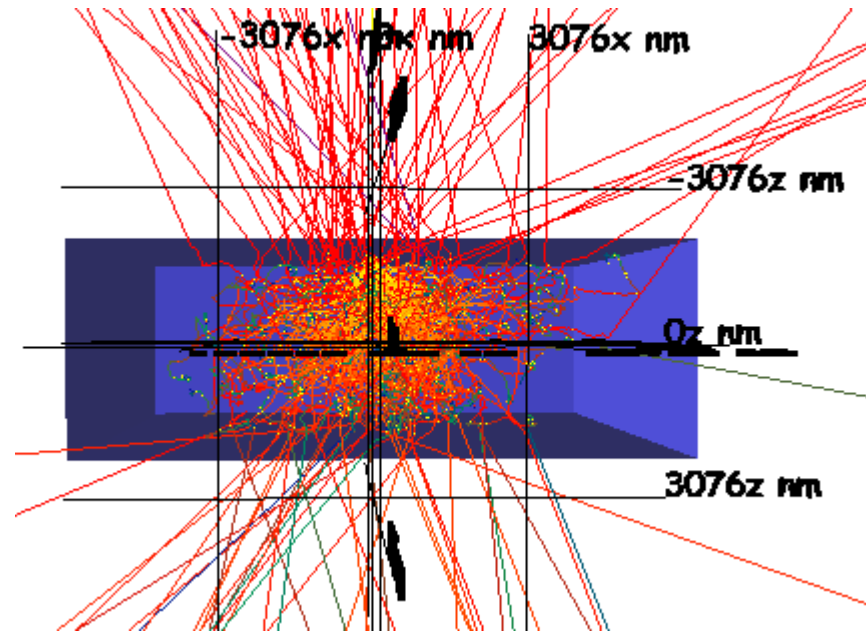
20 KeV



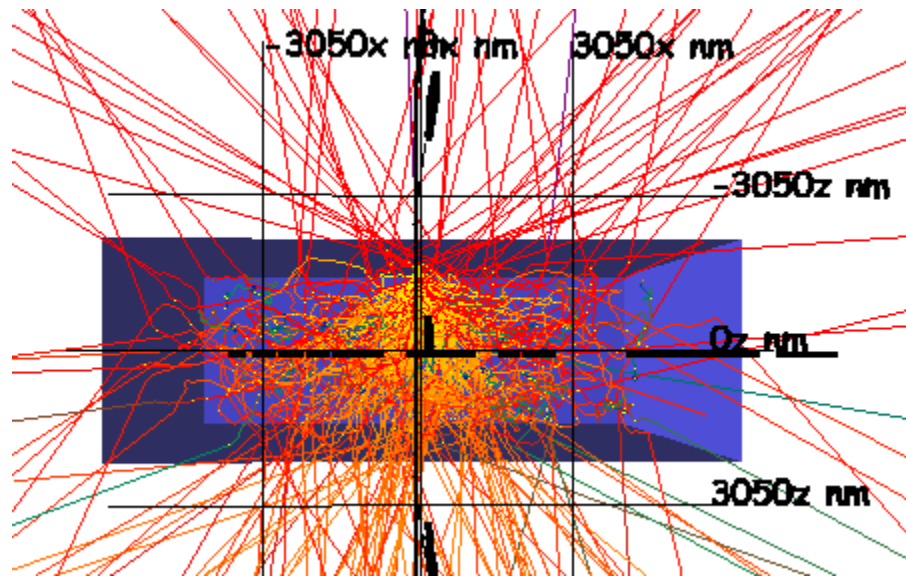
30 KeV



40 KeV



50 KeV



Spectrum at SKB w/Fermionics

(Assumes all energy captured and converted to signal)

