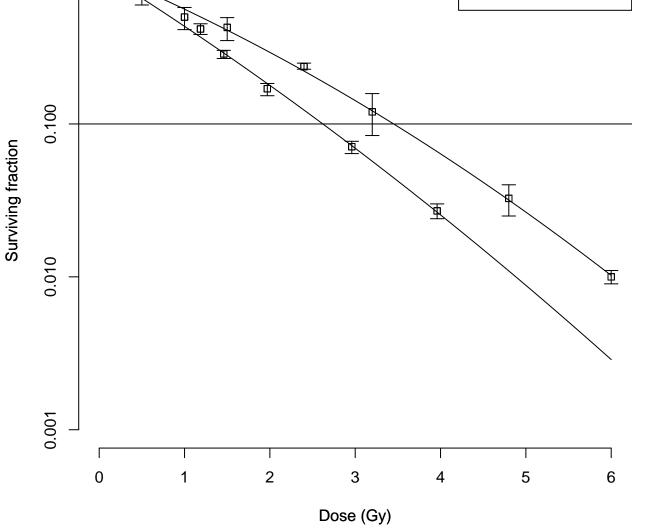
ion.alpha = 0.711 ion.beta = 0.021 RBE = 1.1611.000 200 kV X rays LET = 130 keV/um0.100 Surviving fraction 0.001 0 2 3 5 4 6 Dose (Gy)

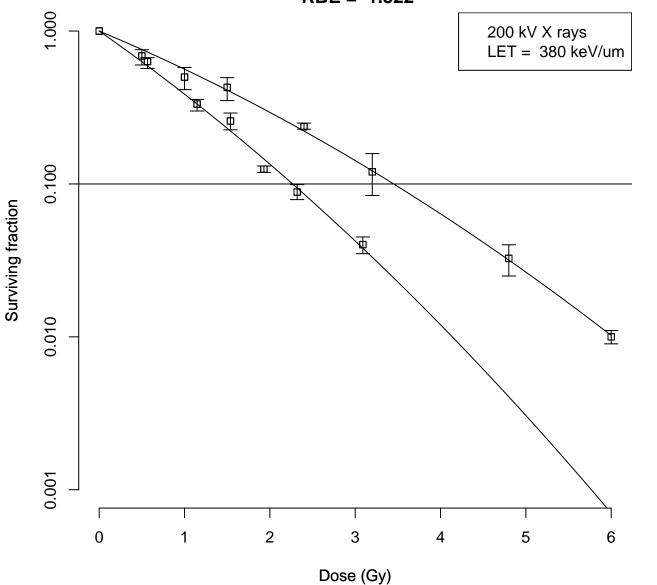
Z = 6 init energy = 290 MeV/amu

Z = 6 init energy = 290 MeV/amu ion.alpha = 0.804 ion.beta = 0.029 RBE = 1.317200 kV X rays LET = 190 keV/um

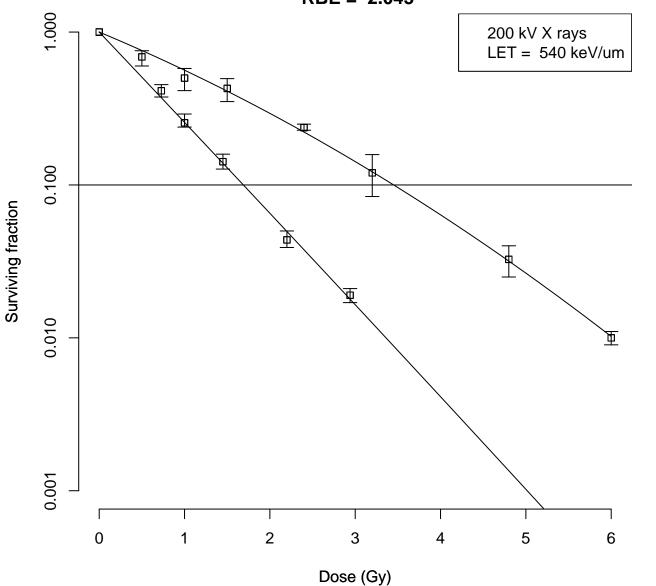


1.000

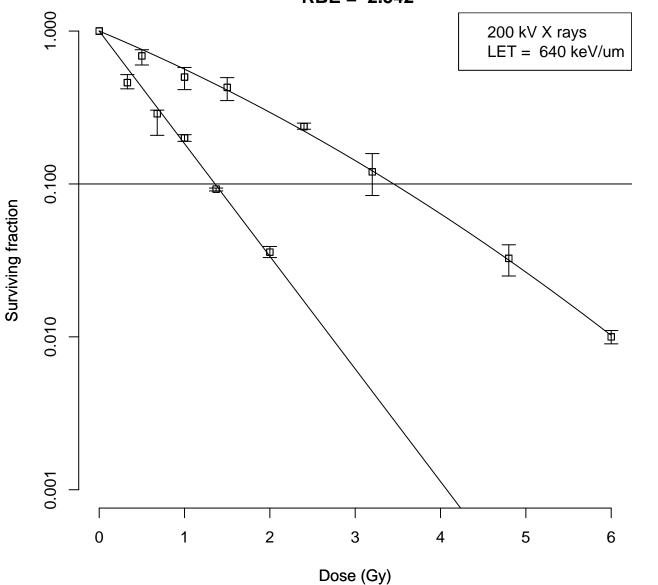
Z = 6 init energy = 290 MeV/amu ion.alpha = 0.898 ion.beta = 0.052 RBE = 1.522



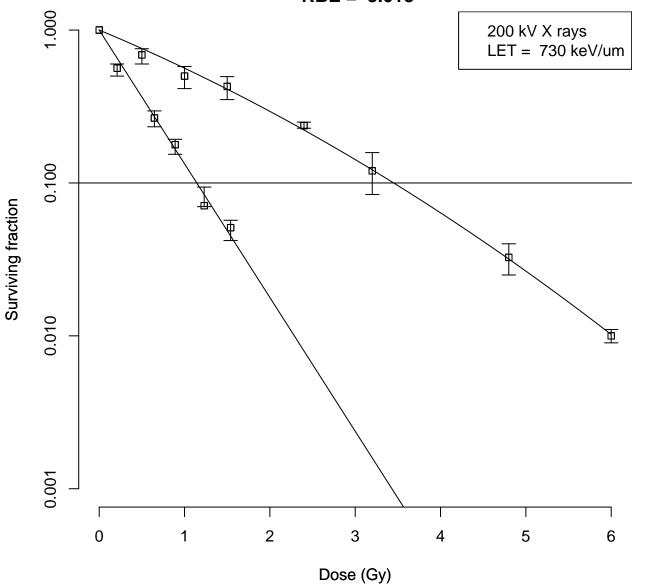
Z = 6 init energy = 290 MeV/amu ion.alpha = 1.356 ion.beta = 0.004 RBE = 2.043



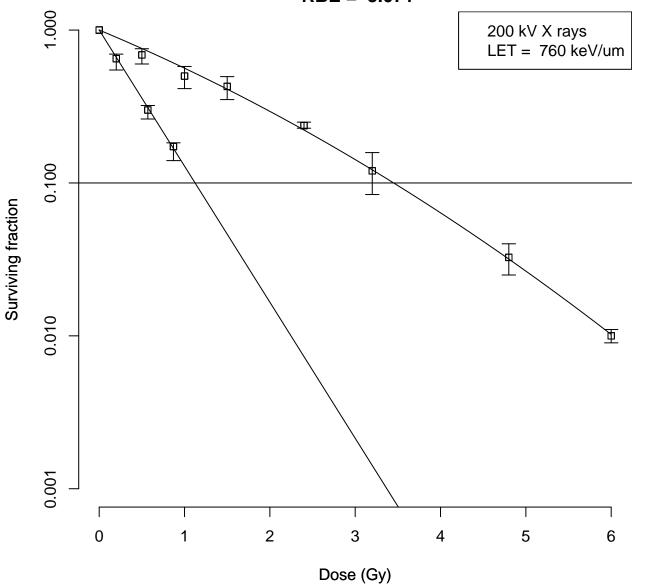
Z = 6 init energy = 290 MeV/amu ion.alpha = 1.696 ion.beta = 0 RBE = 2.542



Z = 6 init energy = 290 MeV/amu ion.alpha = 2.014 ion.beta = 0 RBE = 3.018



Z = 6 init energy = 290 MeV/amu ion.alpha = 2.049 ion.beta = 0 RBE = 3.071

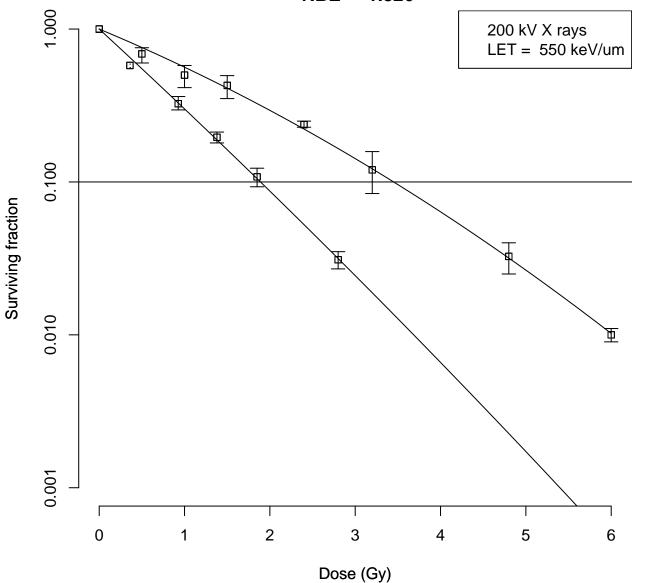


Z = 6 init energy = 135 MeV/amu ion.alpha = 1.142 ion.beta = 0 RBE = 1.7121.000 200 kV X rays LET = 380 keV/um 0.100 0.001 0 2 3 5 4 6

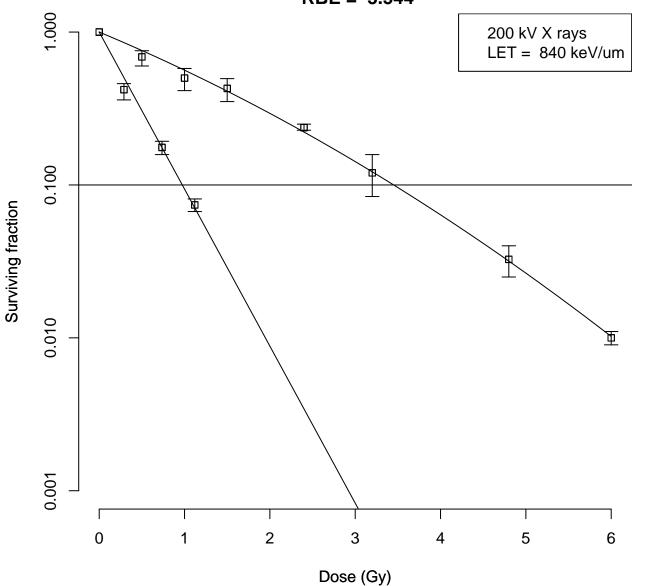
Dose (Gy)

Surviving fraction

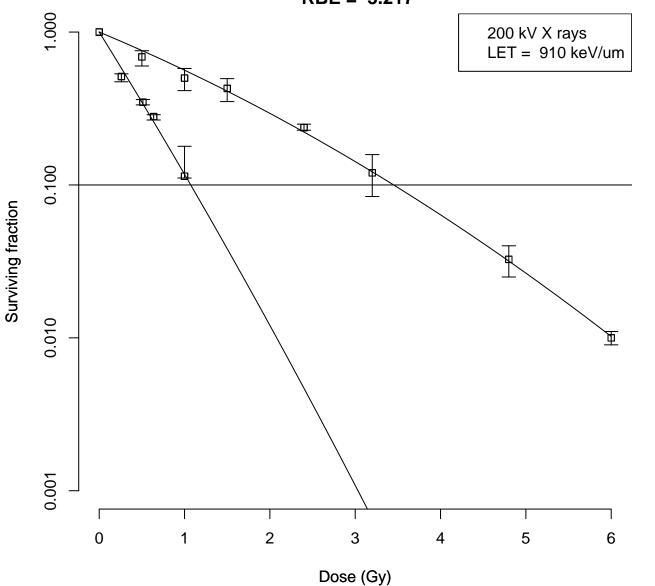
Z = 6 init energy = 135 MeV/amu ion.alpha = 1.185 ion.beta = 0.017 RBE = 1.826



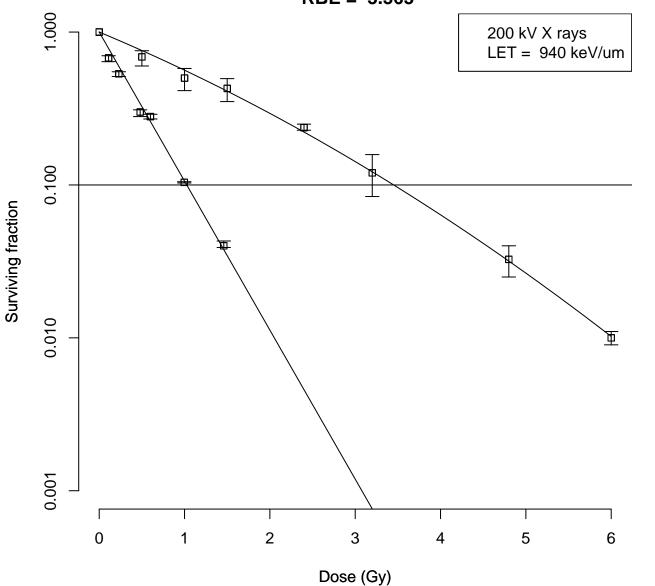
Z = 6 init energy = 135 MeV/amu ion.alpha = 2.365 ion.beta = 0 RBE = 3.544



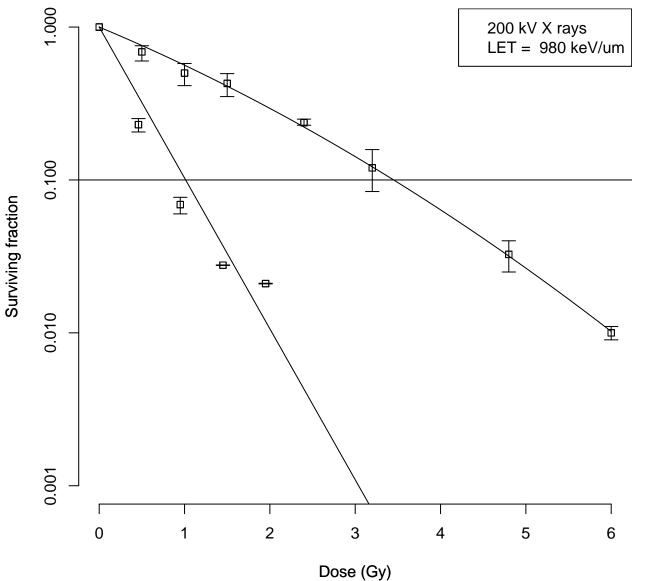
Z = 6 init energy = 135 MeV/amu ion.alpha = 2.075 ion.beta = 0.067 RBE = 3.217



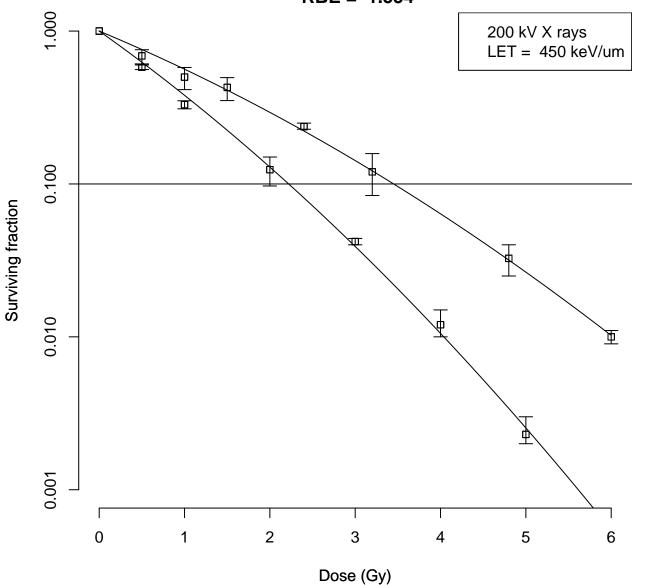
Z = 6 init energy = 135 MeV/amu ion.alpha = 2.244 ion.beta = 0 RBE = 3.363



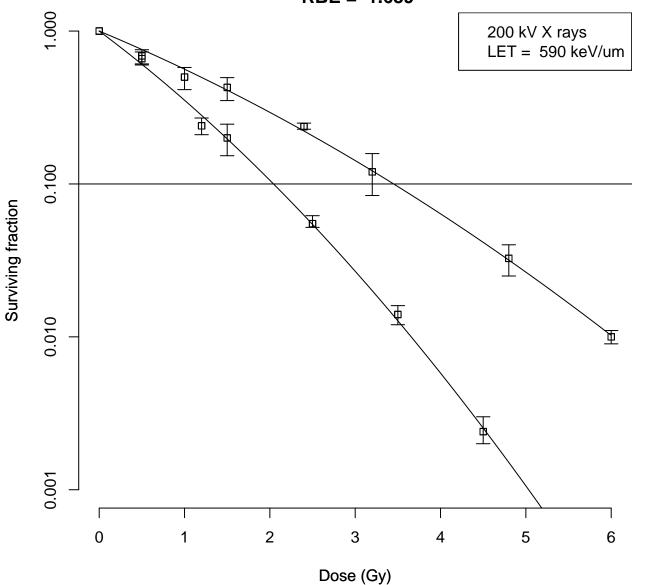
Z = 6 init energy = 135 MeV/amu ion.alpha = 2.272 ion.beta = 0 RBE = 3.405



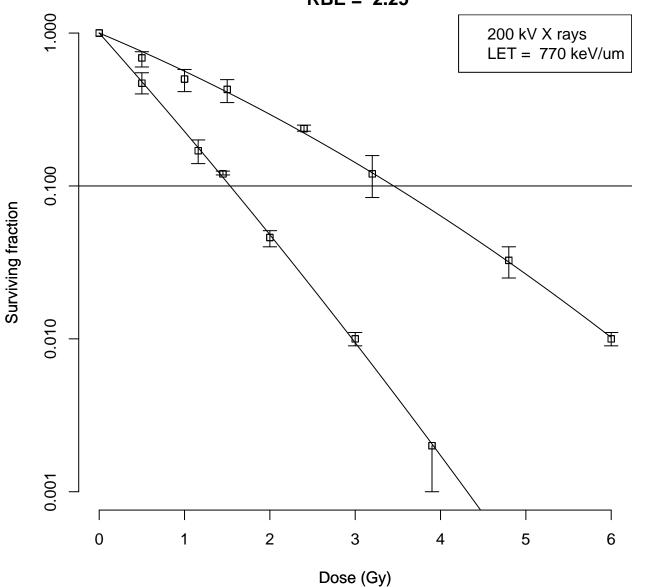
Z = 10 init energy = 400 MeV/amu ion.alpha = 0.91 ion.beta = 0.057 RBE = 1.554



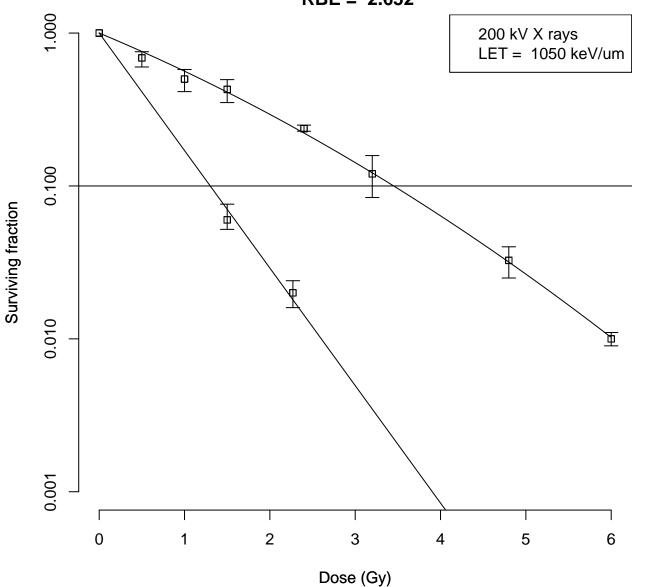
Z = 10 init energy = 400 MeV/amu ion.alpha = 0.959 ion.beta = 0.082 RBE = 1.689



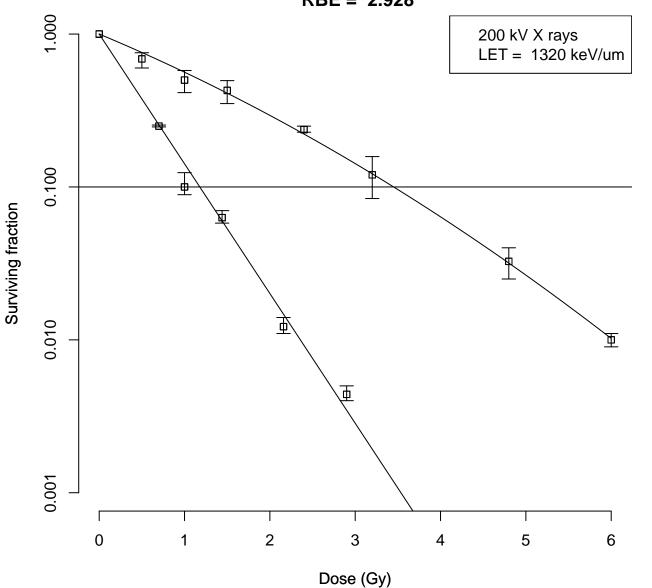
Z = 10 init energy = 400 MeV/amu ion.alpha = 1.446 ion.beta = 0.036 RBE = 2.25



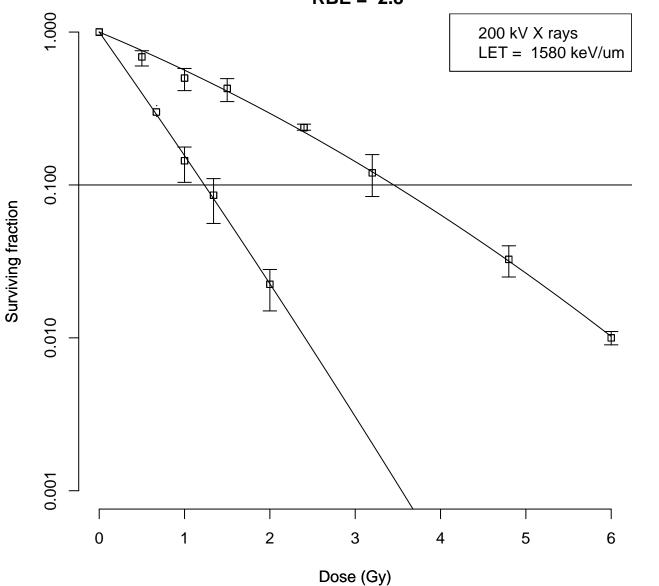
Z = 10 init energy = 400 MeV/amu ion.alpha = 1.77 ion.beta = 0 RBE = 2.652



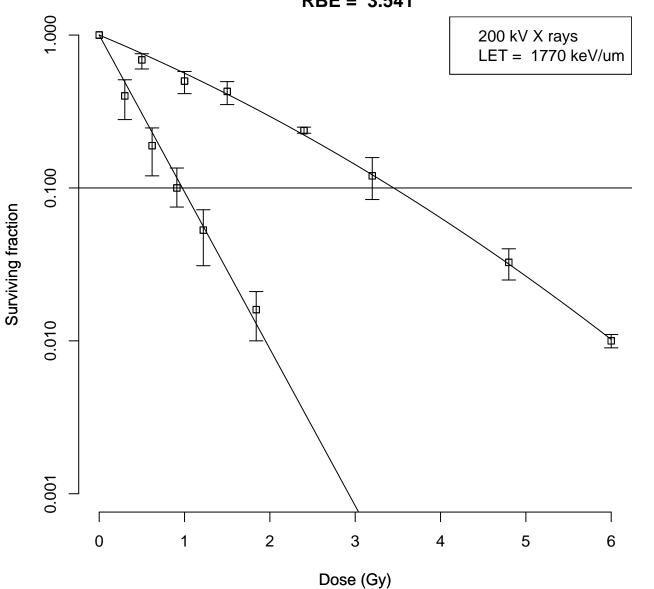
Z = 10 init energy = 400 MeV/amu ion.alpha = 1.954 ion.beta = 0 RBE = 2.928



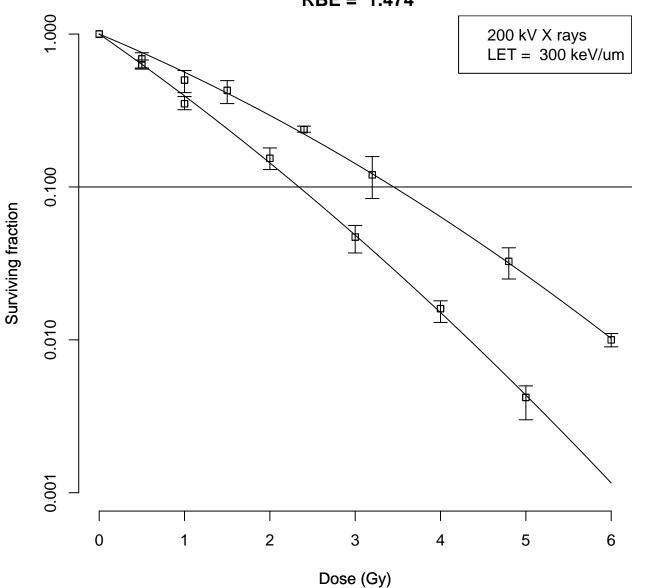
Z = 10 init energy = 400 MeV/amu ion.alpha = 1.826 ion.beta = 0.035 RBE = 2.8



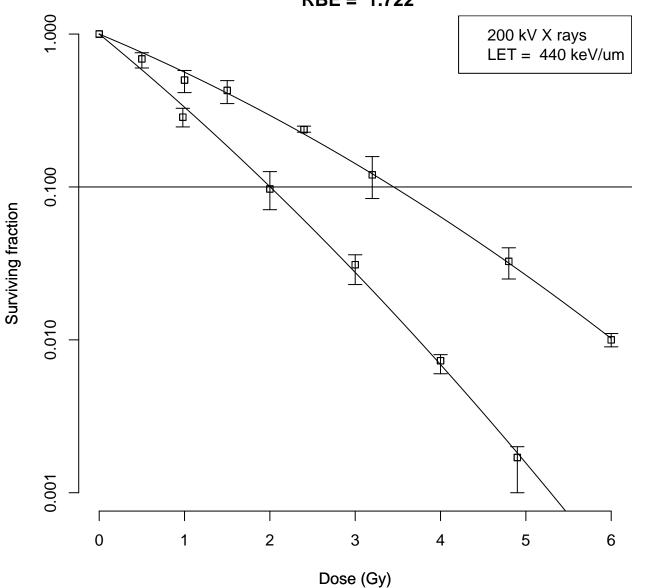
Z = 10 init energy = 400 MeV/amu ion.alpha = 2.363 ion.beta = 0 RBE = 3.541



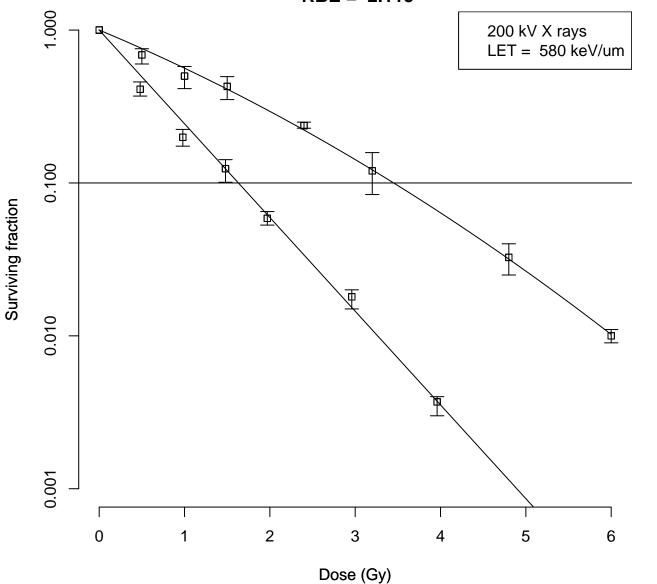
Z = 10 init energy = 230 MeV/amu ion.alpha = 0.892 ion.beta = 0.039 RBE = 1.474



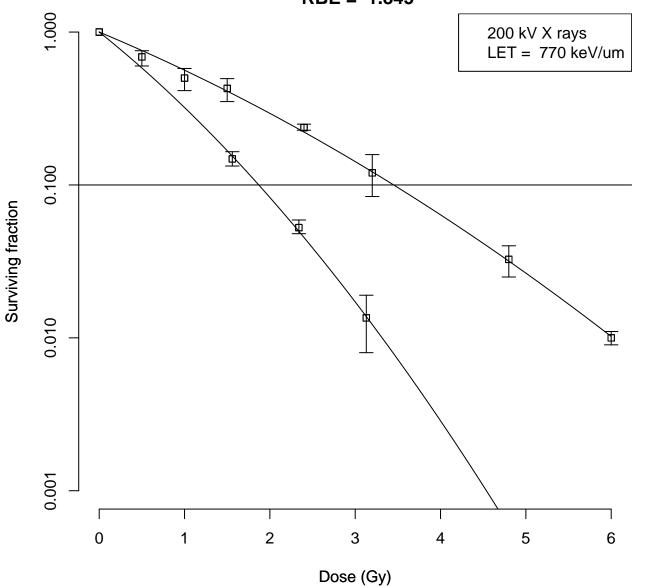
Z = 10 init energy = 230 MeV/amu ion.alpha = 1.054 ion.beta = 0.048 RBE = 1.722



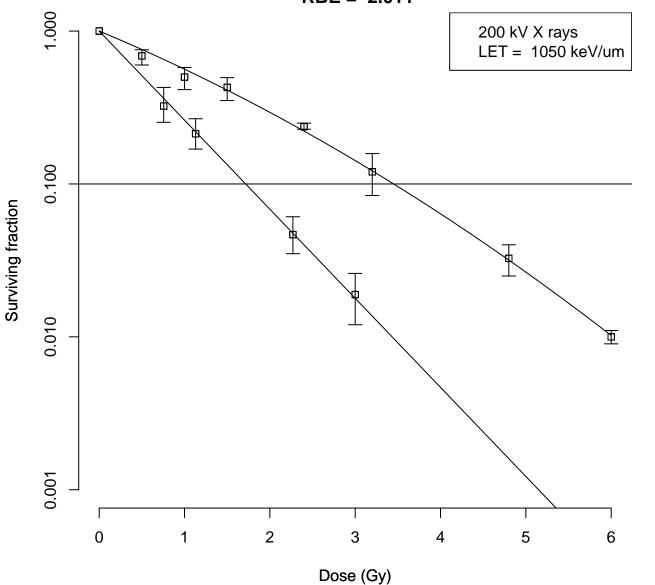
Z = 10 init energy = 230 MeV/amu ion.alpha = 1.411 ion.beta = 0 RBE = 2.115



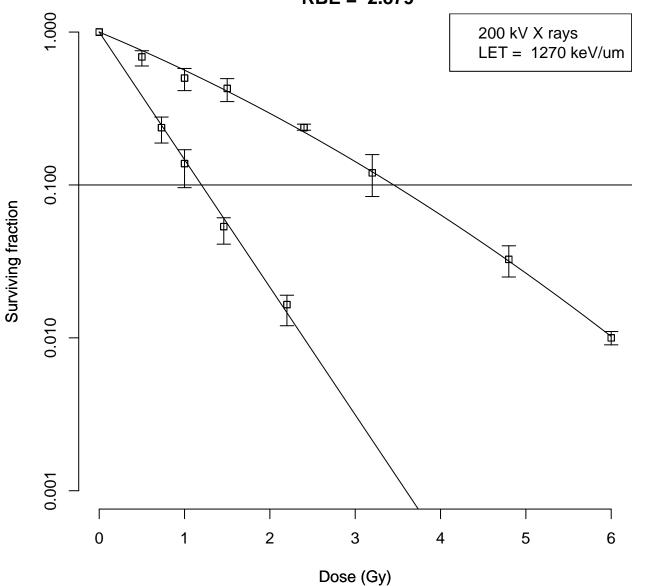
Z = 10 init energy = 230 MeV/amu ion.alpha = 1.027 ion.beta = 0.109 RBE = 1.845



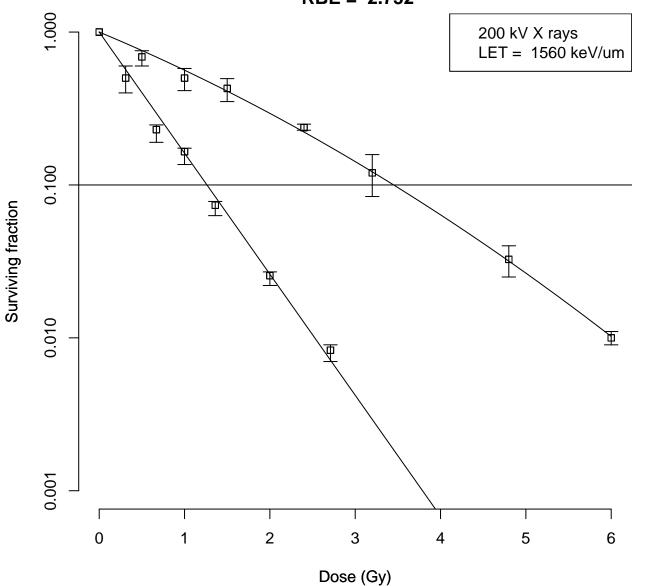
Z = 10 init energy = 230 MeV/amu ion.alpha = 1.342 ion.beta = 0 RBE = 2.011



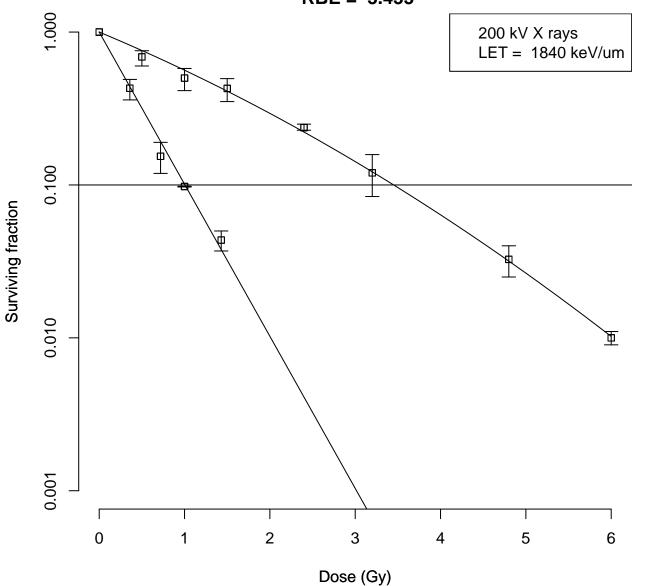
Z = 10 init energy = 230 MeV/amu ion.alpha = 1.921 ion.beta = 0 RBE = 2.879



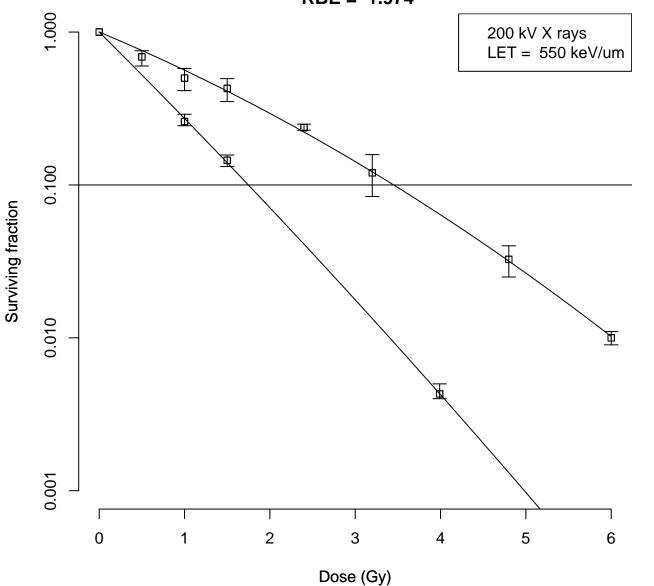
Z = 10 init energy = 230 MeV/amu ion.alpha = 1.823 ion.beta = 0 RBE = 2.732



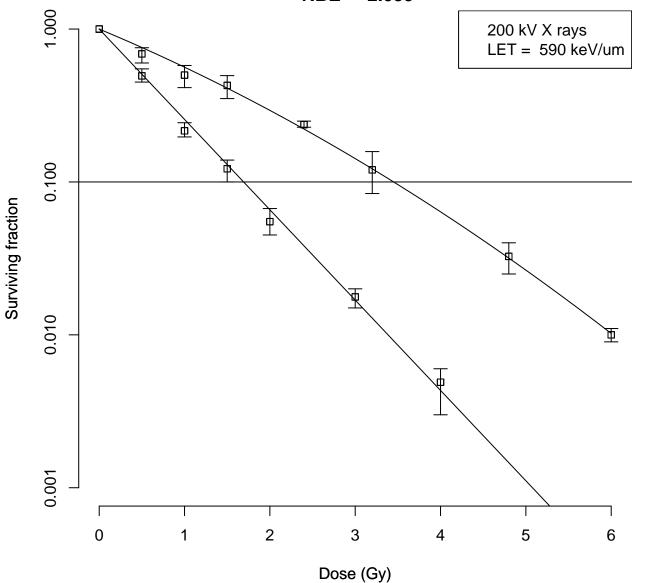
Z = 10 init energy = 230 MeV/amu ion.alpha = 2.291 ion.beta = 0 RBE = 3.433



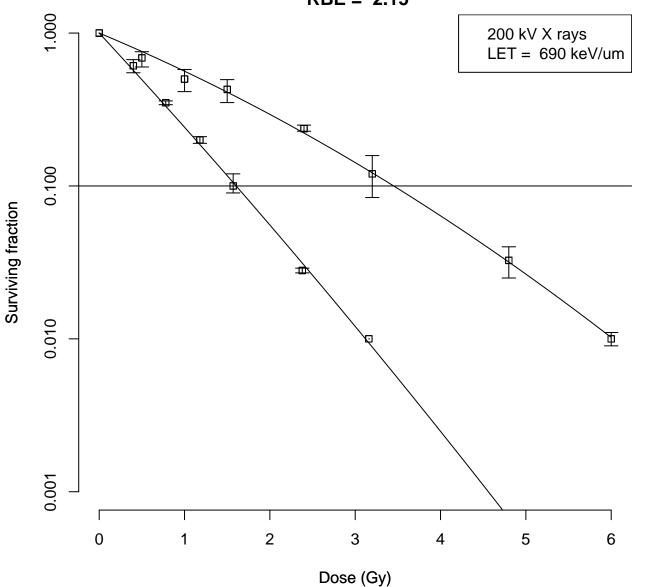
Z = 14 init energy = 490 MeV/amu ion.alpha = 1.28 ion.beta = 0.021 RBE = 1.974



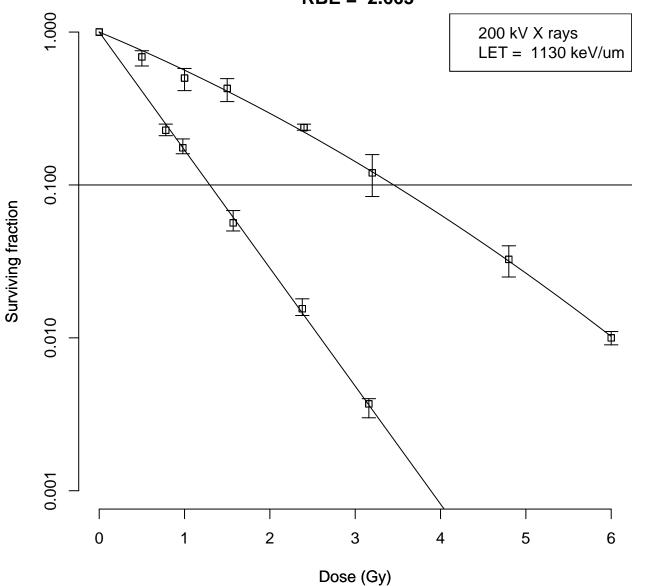
Z = 14 init energy = 490 MeV/amu ion.alpha = 1.361 ion.beta = 0 RBE = 2.039



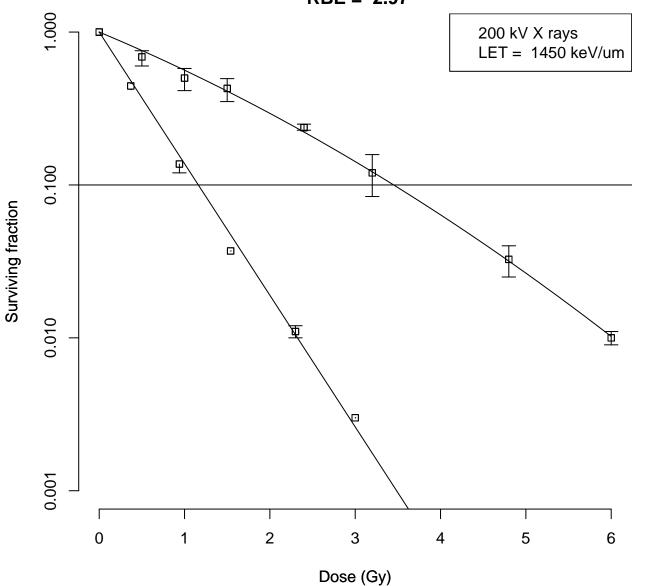
Z = 14 init energy = 490 MeV/amu ion.alpha = 1.391 ion.beta = 0.027 RBE = 2.15



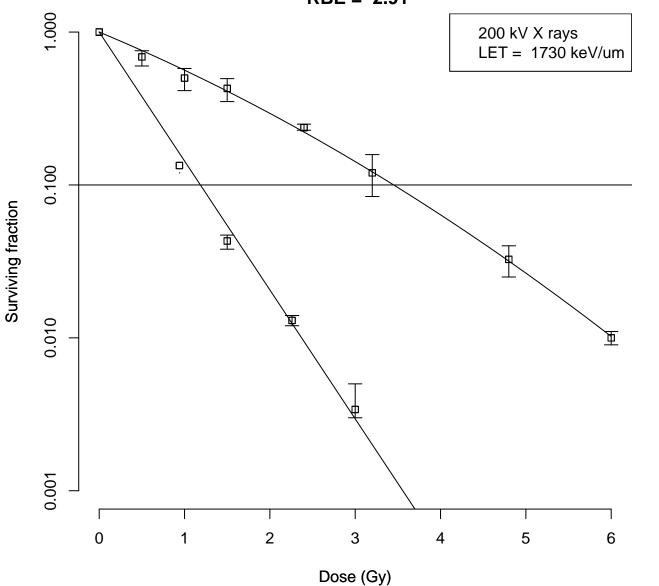
Z = 14 init energy = 490 MeV/amu ion.alpha = 1.777 ion.beta = 0 RBE = 2.663



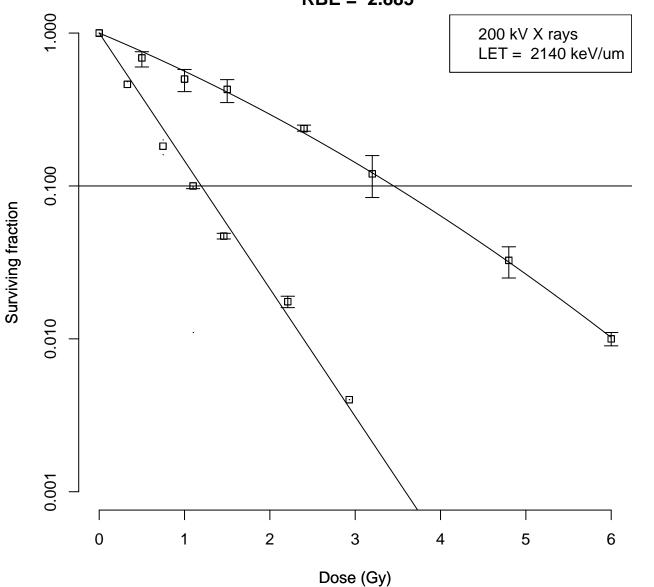
Z = 14 init energy = 490 MeV/amu ion.alpha = 1.982 ion.beta = 0 RBE = 2.97



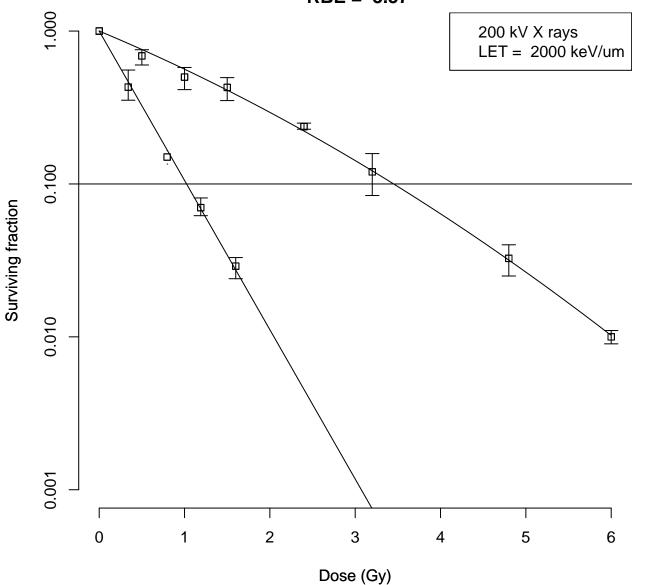
Z = 14 init energy = 490 MeV/amu ion.alpha = 1.942 ion.beta = 0 RBE = 2.91



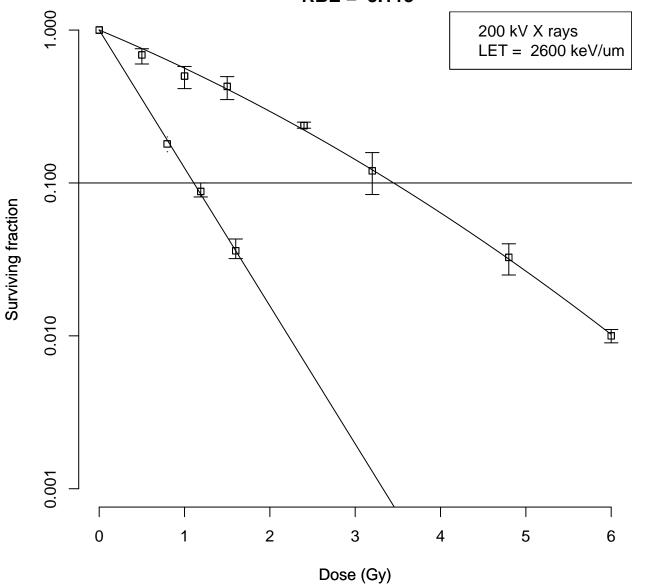
Z = 14 init energy = 490 MeV/amu ion.alpha = 1.925 ion.beta = 0 RBE = 2.885



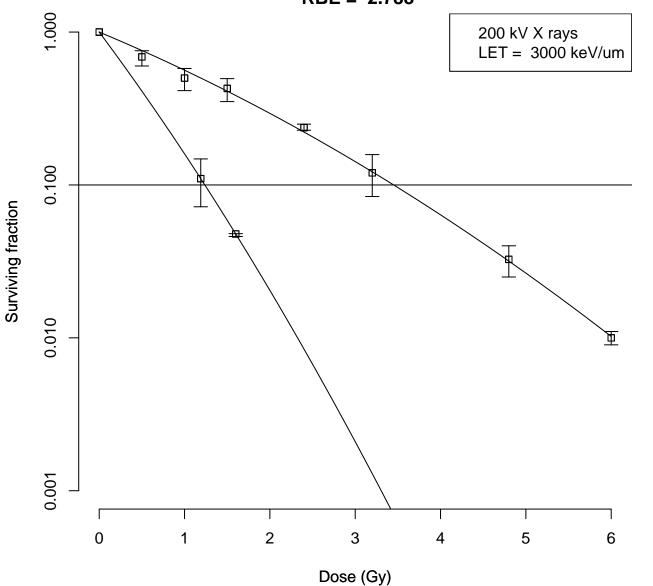
Z = 26 init energy = 500 MeV/amu ion.alpha = 2.249 ion.beta = 0 RBE = 3.37



Z = 26 init energy = 500 MeV/amu ion.alpha = 2.077 ion.beta = 0 RBE = 3.113



Z = 26 init energy = 500 MeV/amu ion.alpha = 1.722 ion.beta = 0.111 RBE = 2.788



Z = 26 init energy = 500 MeV/amu ion.alpha = 1.749 ion.beta = 0 RBE = 2.621

