

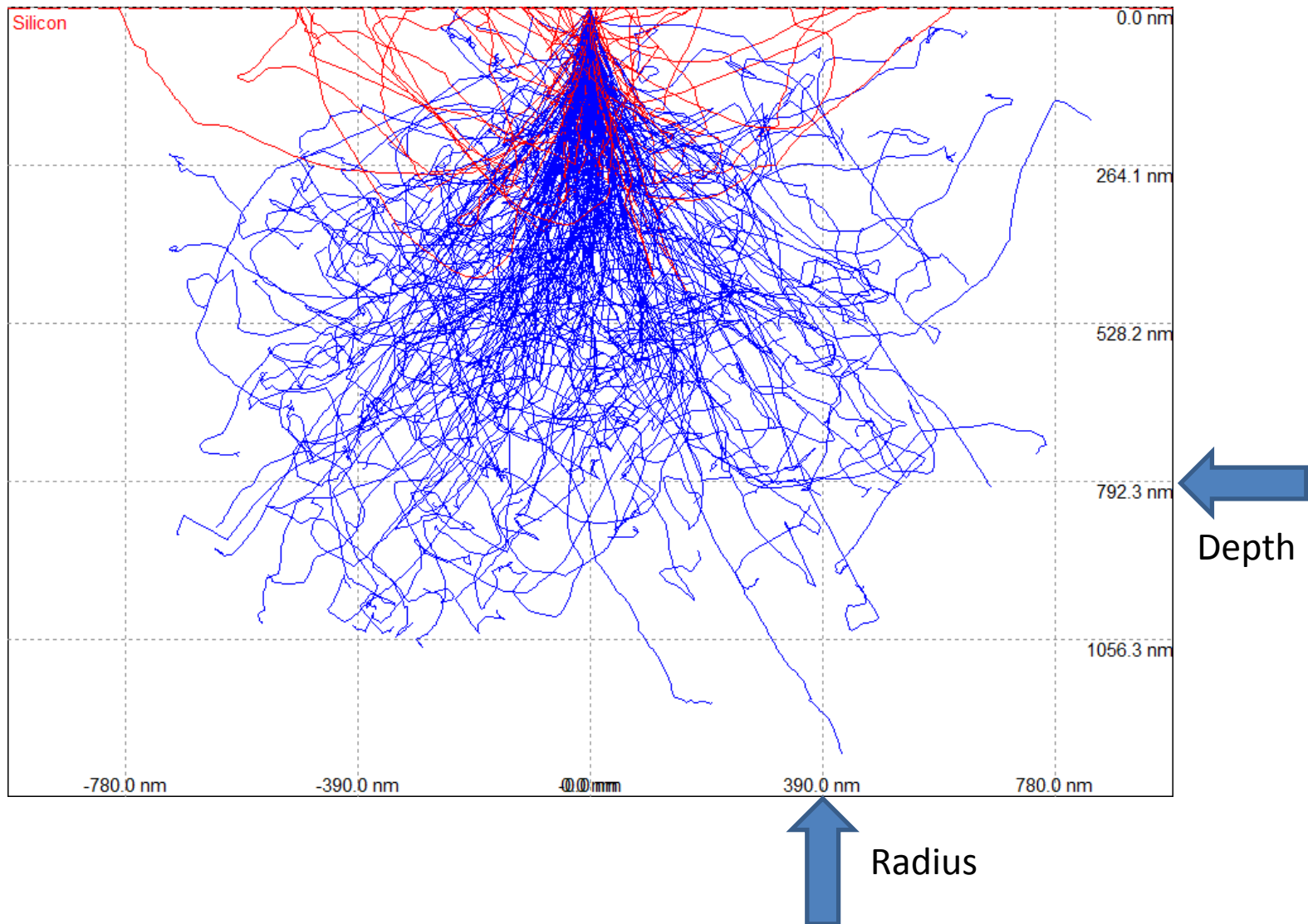
Electron blooming in silicon detector (CASINO simulations)

J.W. Flanagan

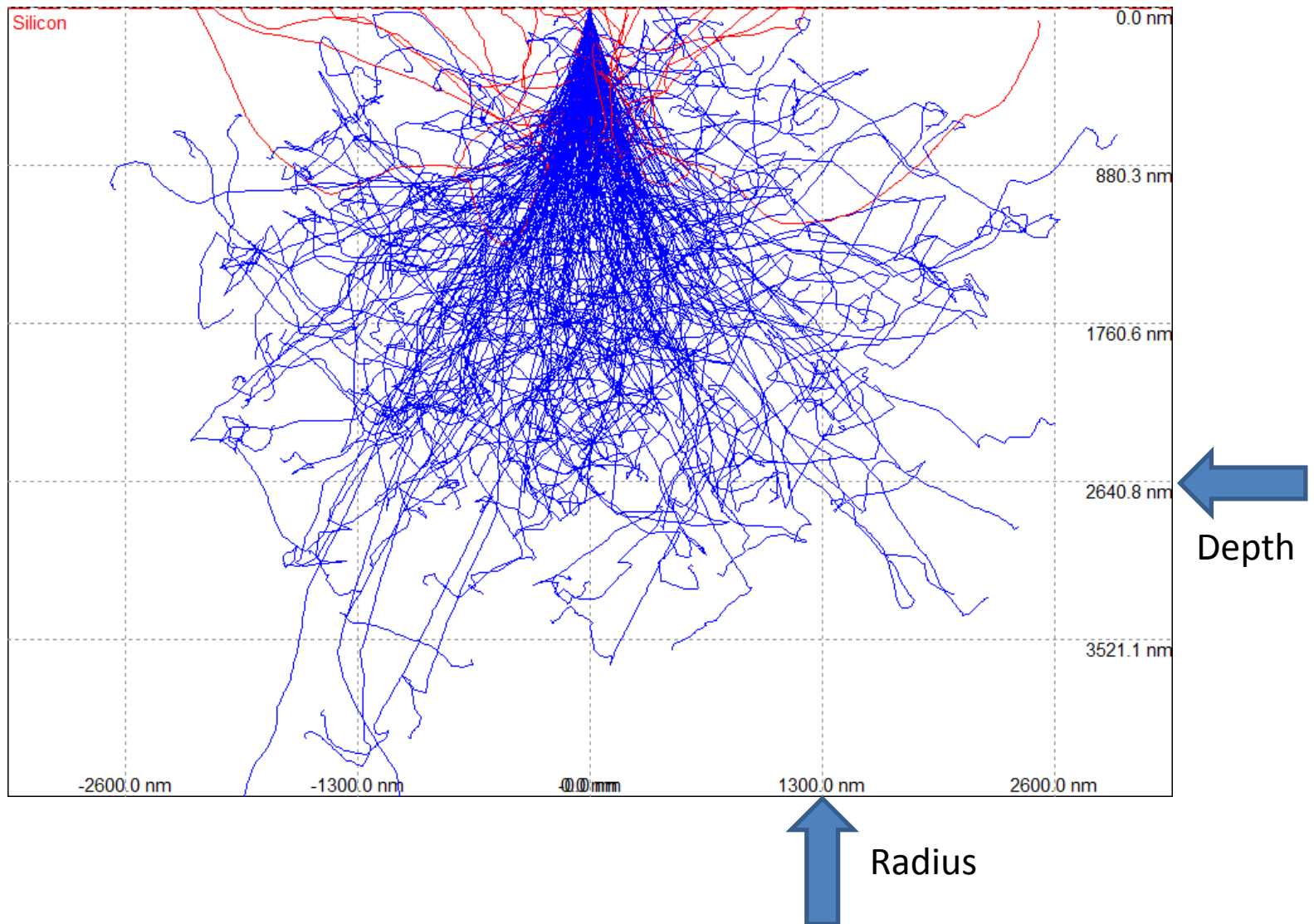
XDET Mtg.

2013.10.10

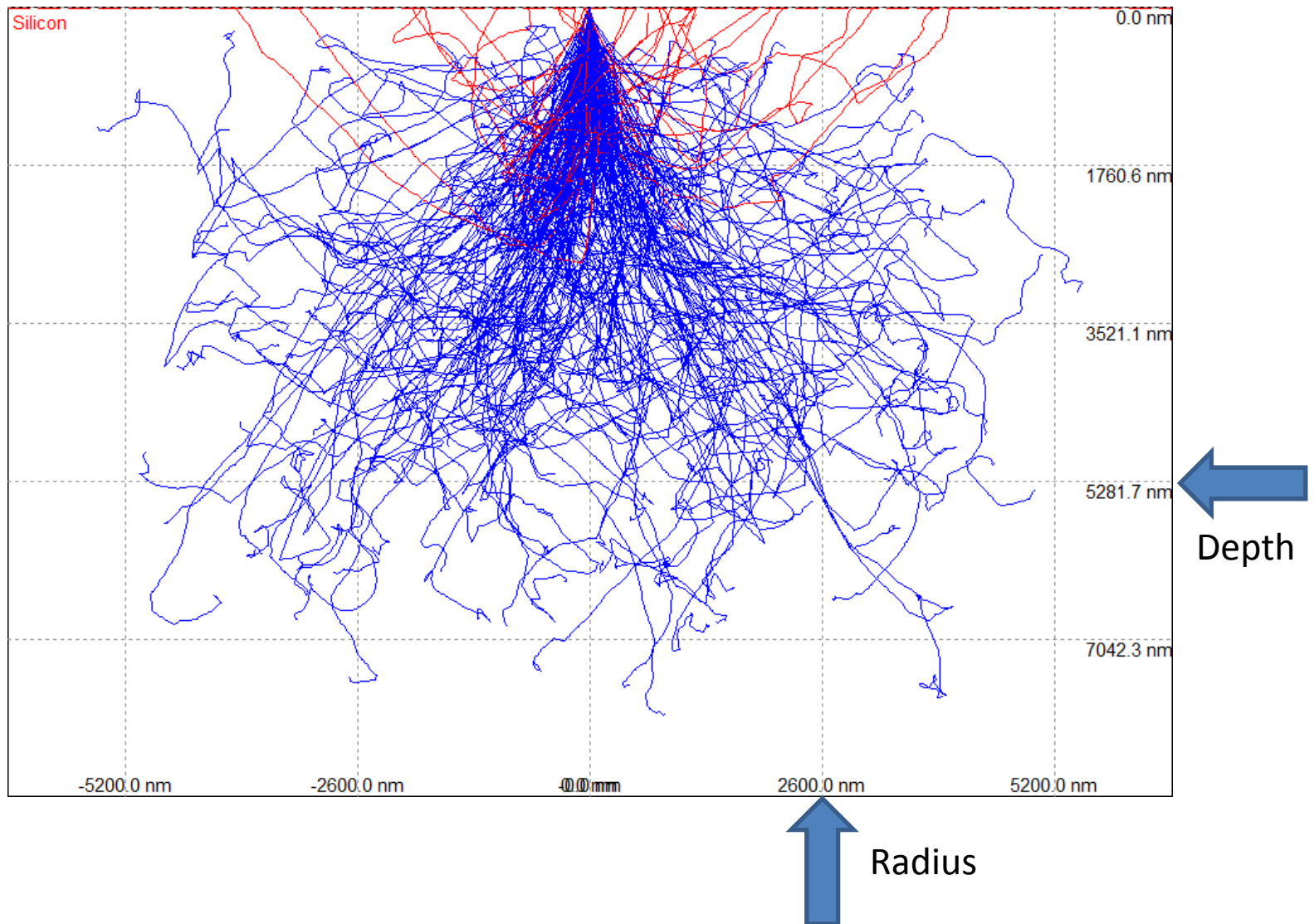
10 keV



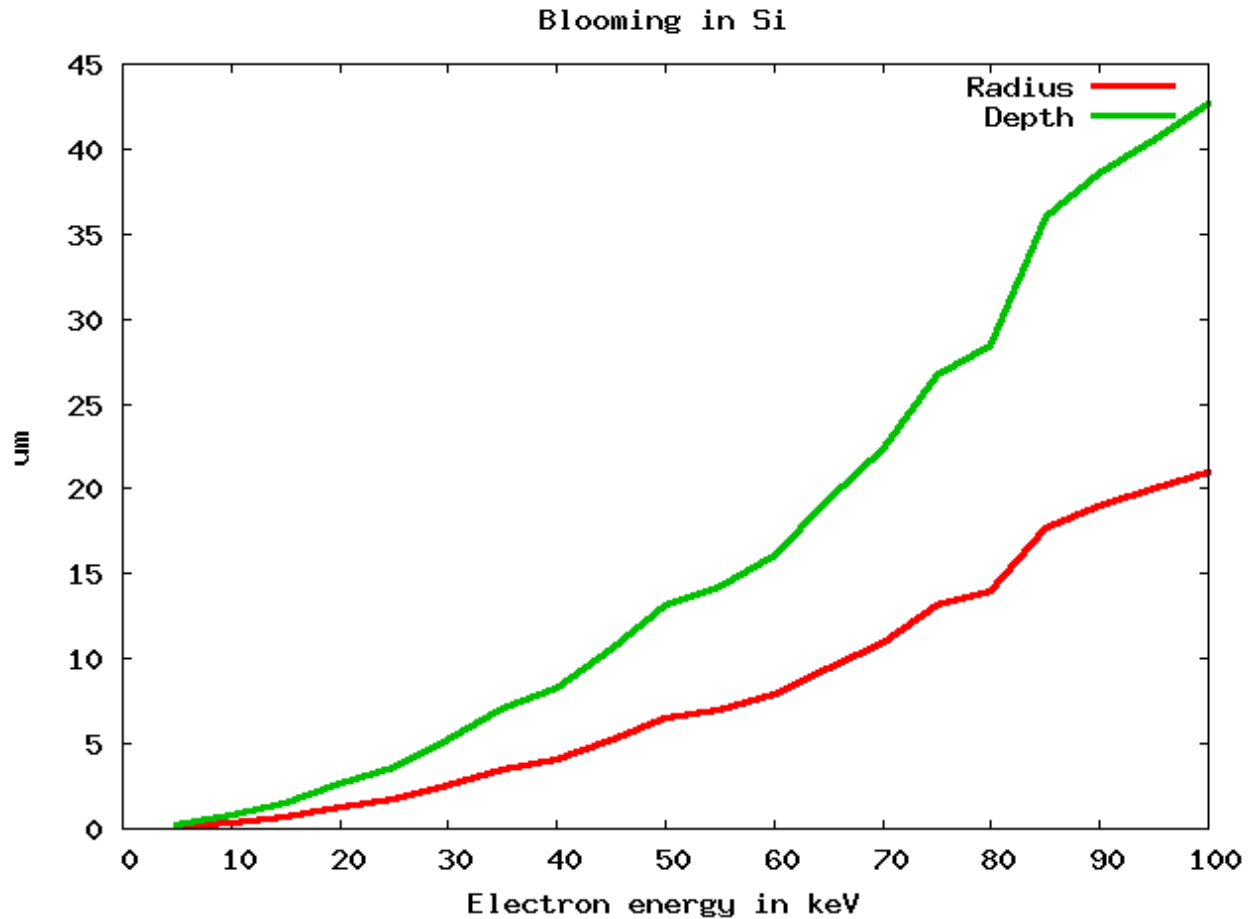
20 keV



30 keV

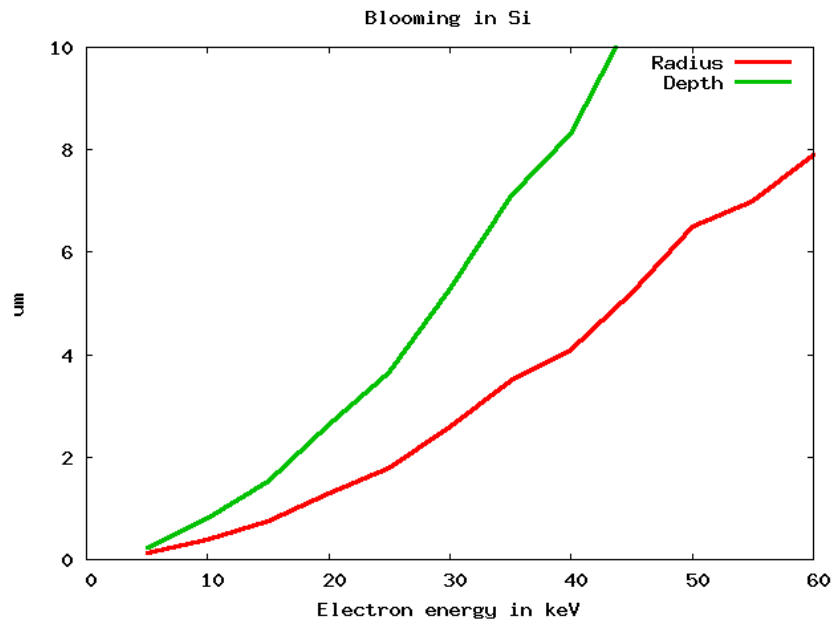


Blooming vs energy

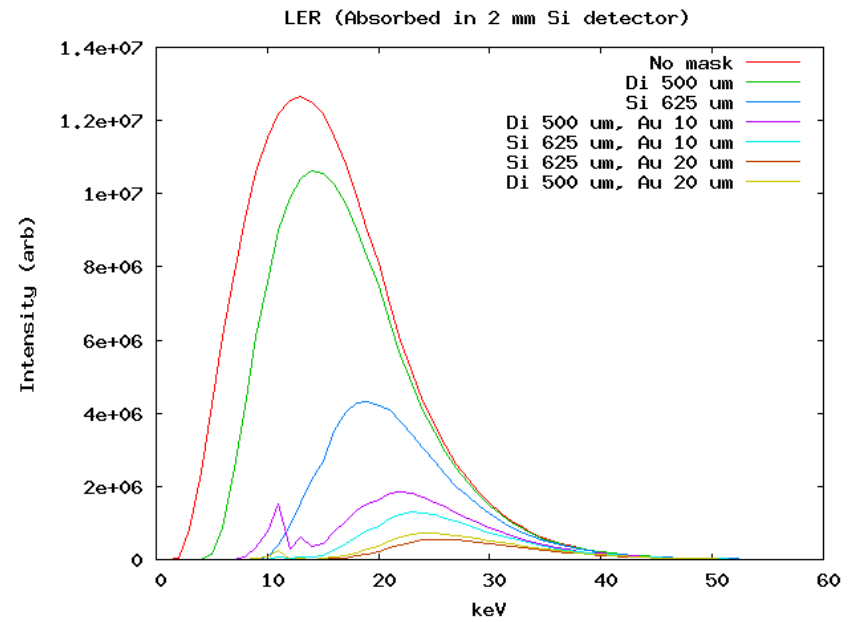


LER

Blooming vs energy



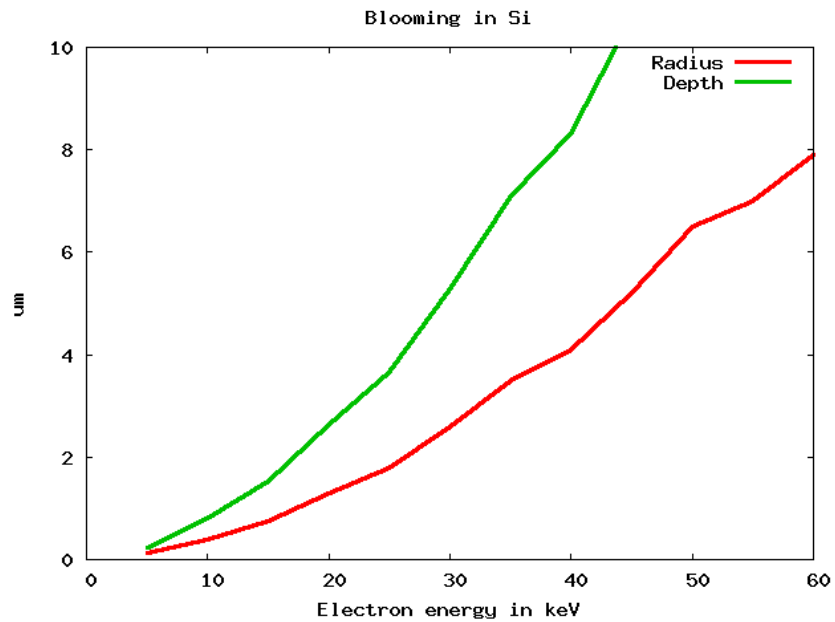
Power absorbed in 2 mm-deep Si detector



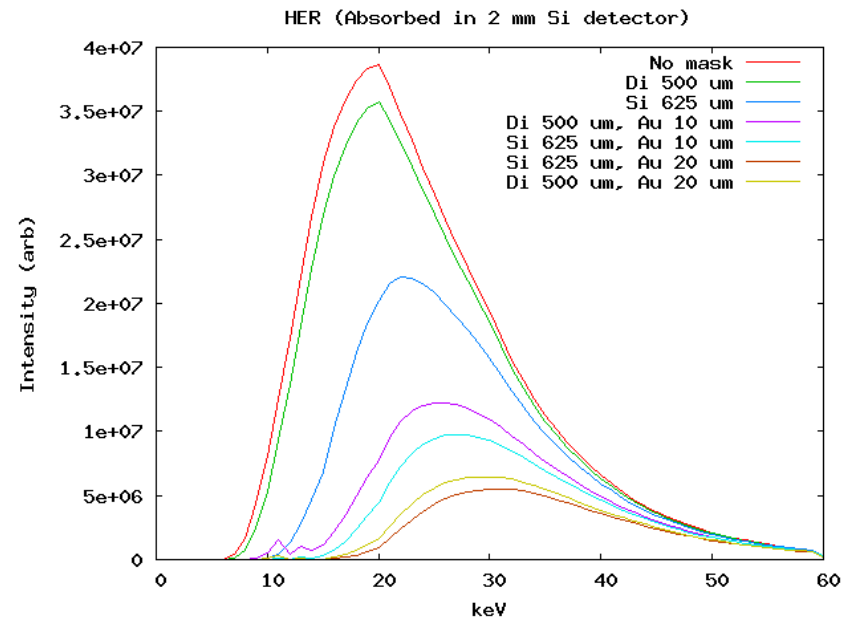
Also assume 200 μm of Be in path

HER

Blooming vs energy



Power absorbed in 2 mm-deep Si detector



Also assume 1.42 cm of Be in path