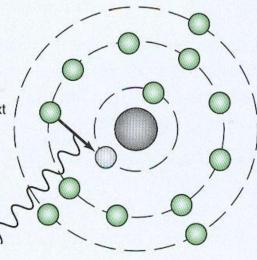


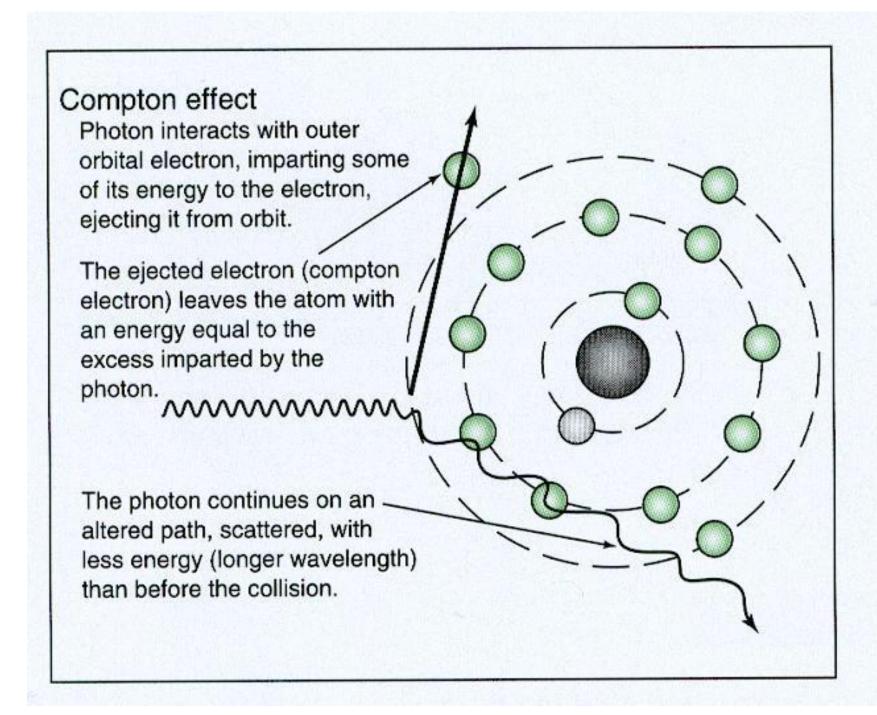
## Photoelectric effect

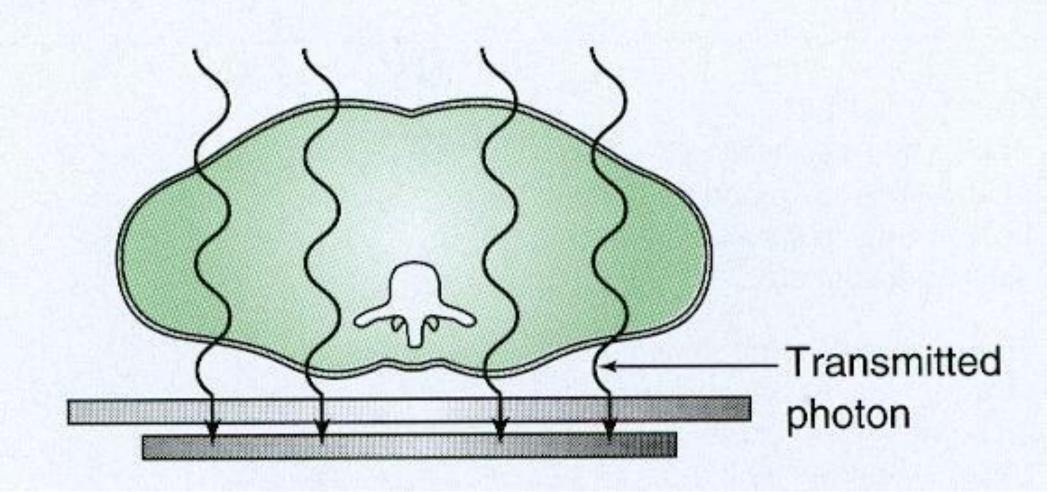
There is a vacancy in the inner orbital, K or L, which must be filled.

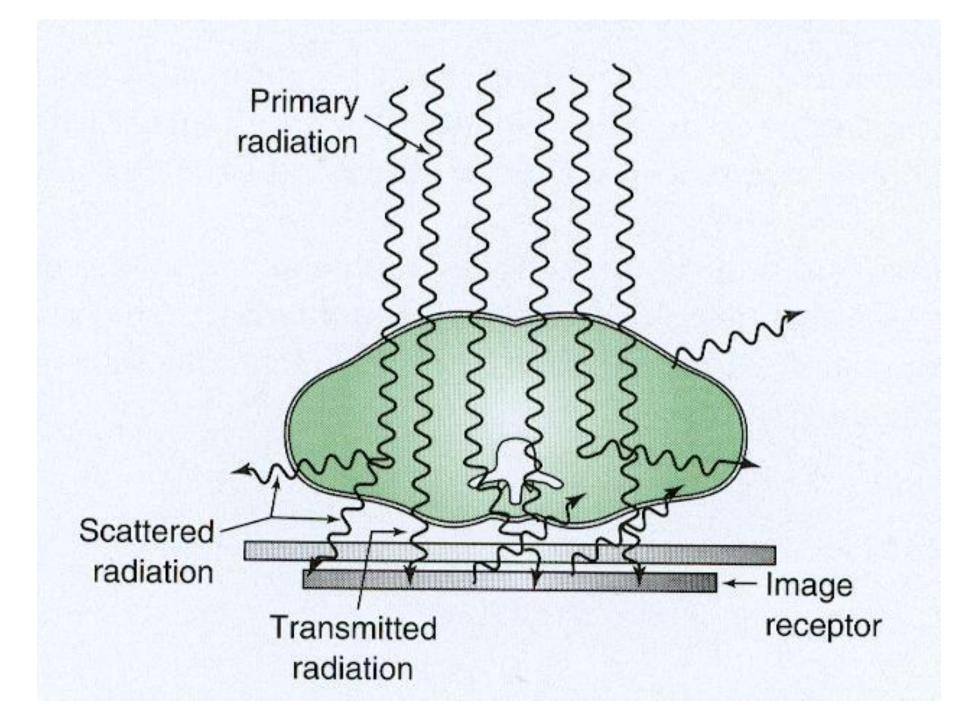
One of the electrons from outer orbital, usually the next orbit out, drops to the void.

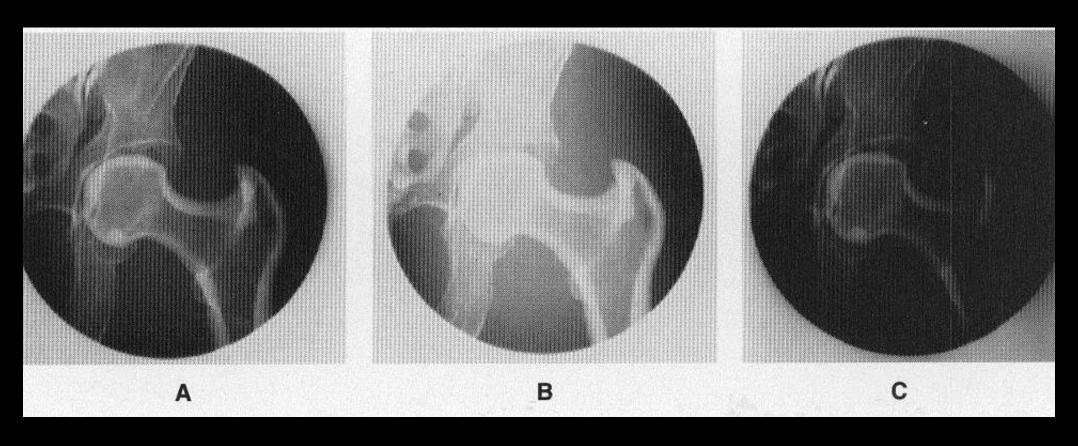
As the electron drops to the void, it may shed its excess energy as a secondary photon.



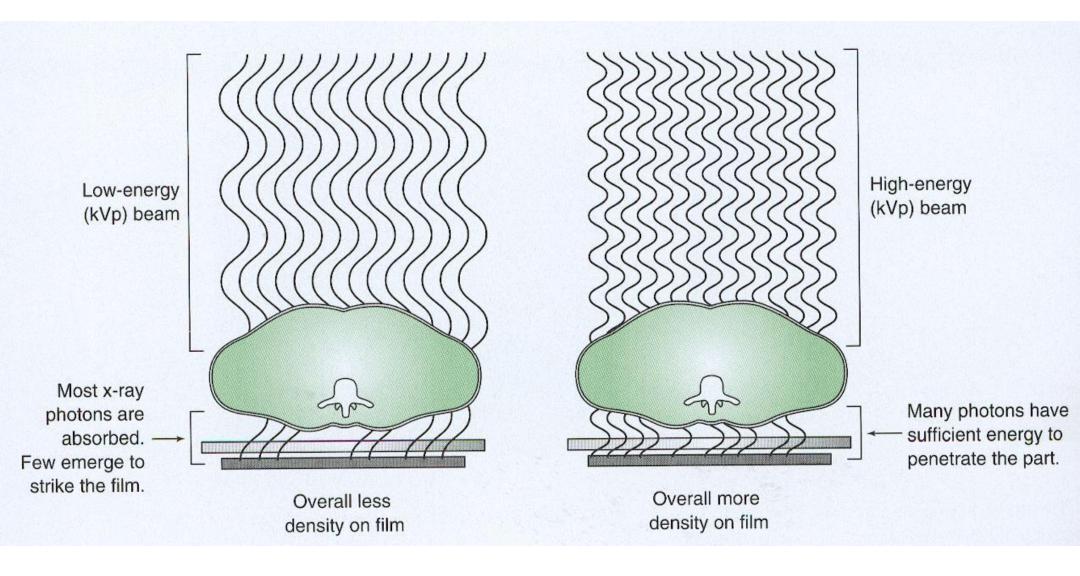


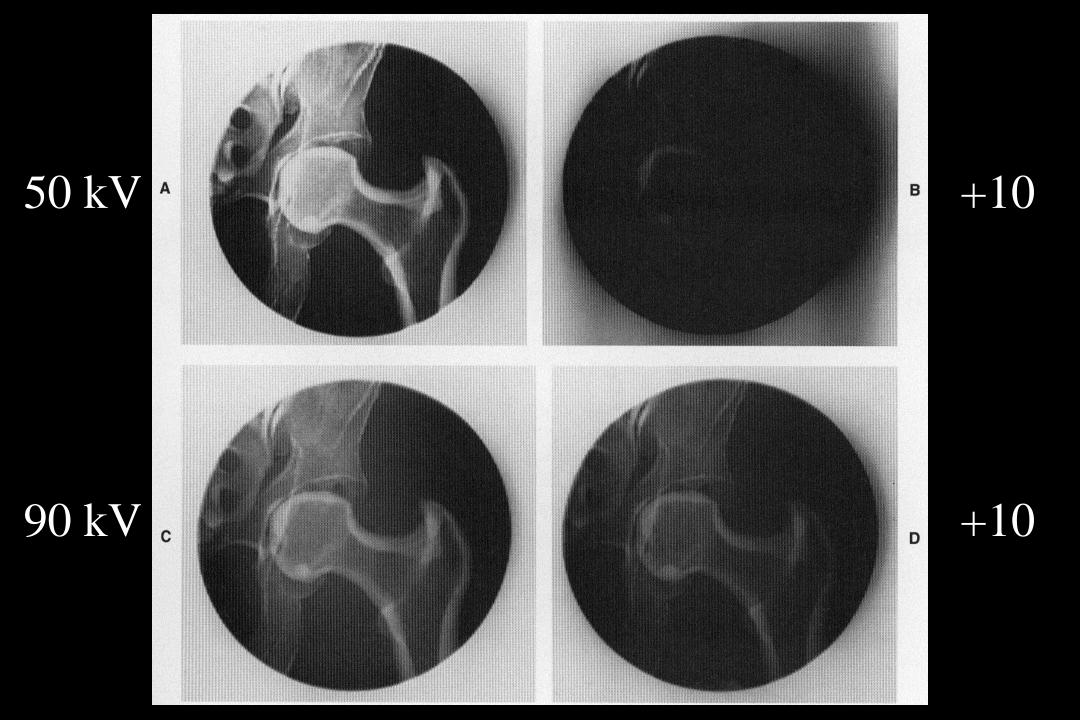


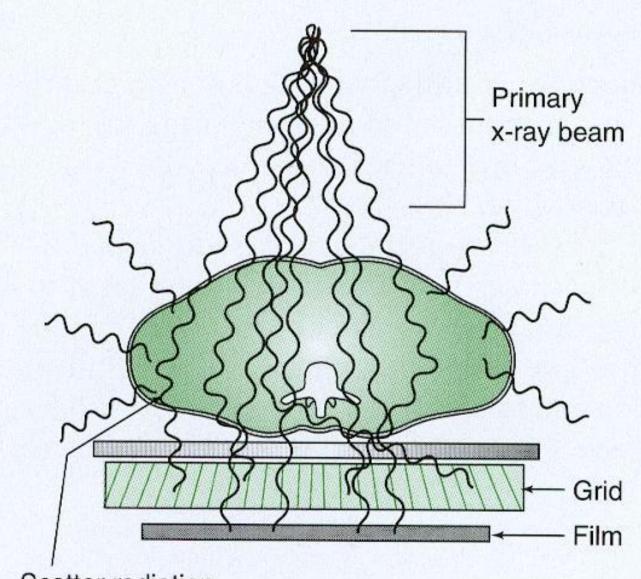




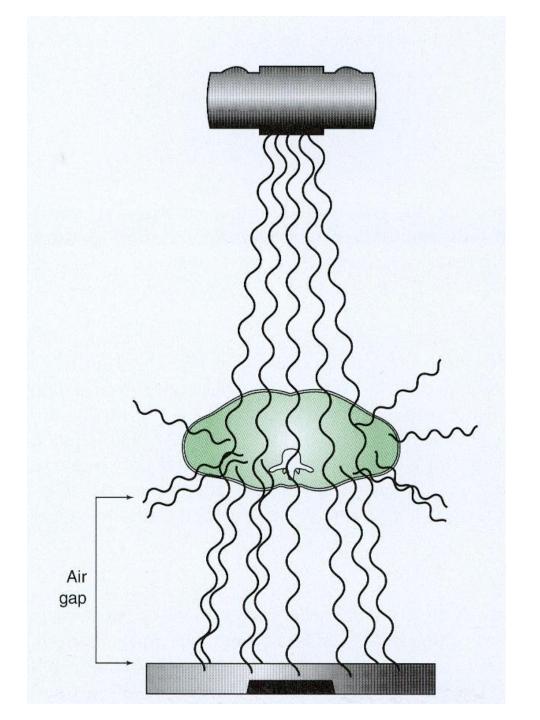
mAs ½ mAs mAs x 2

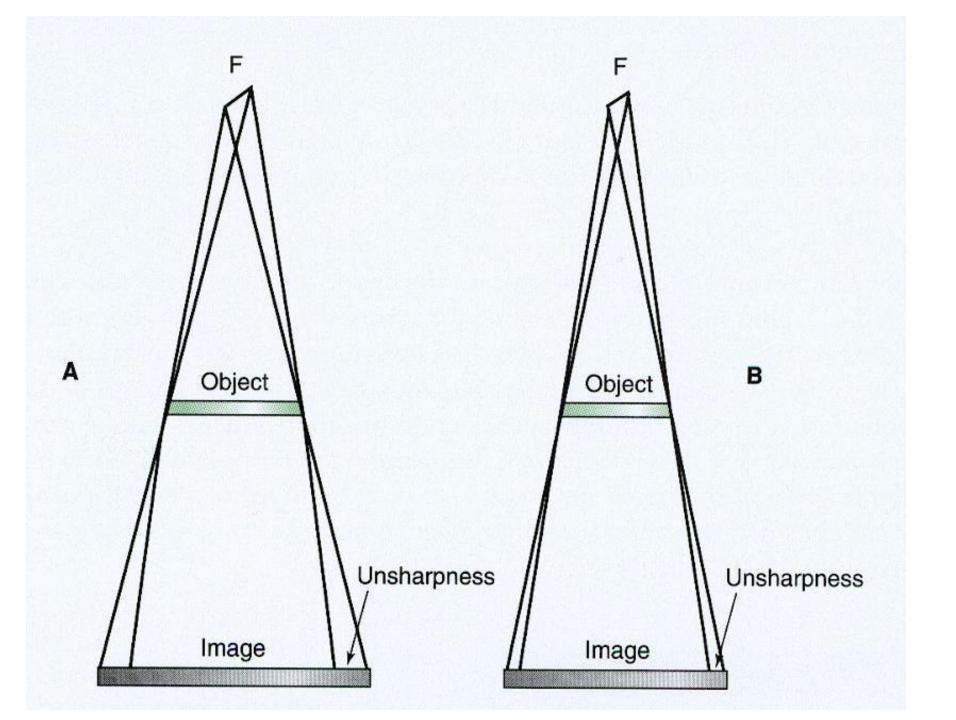


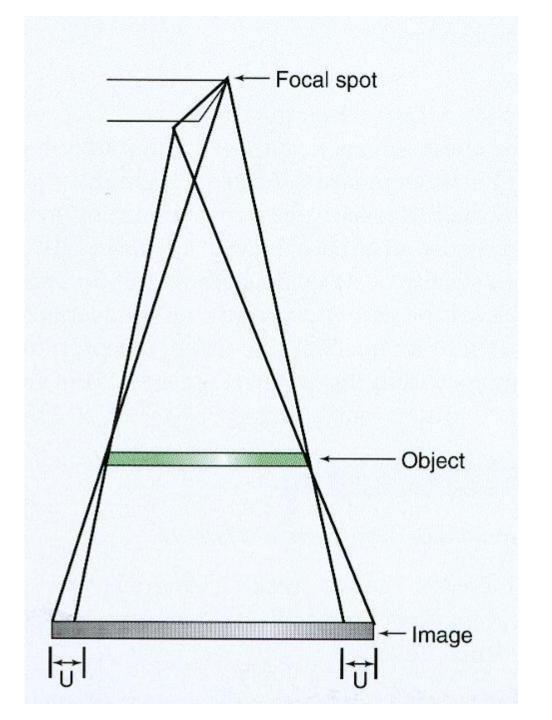


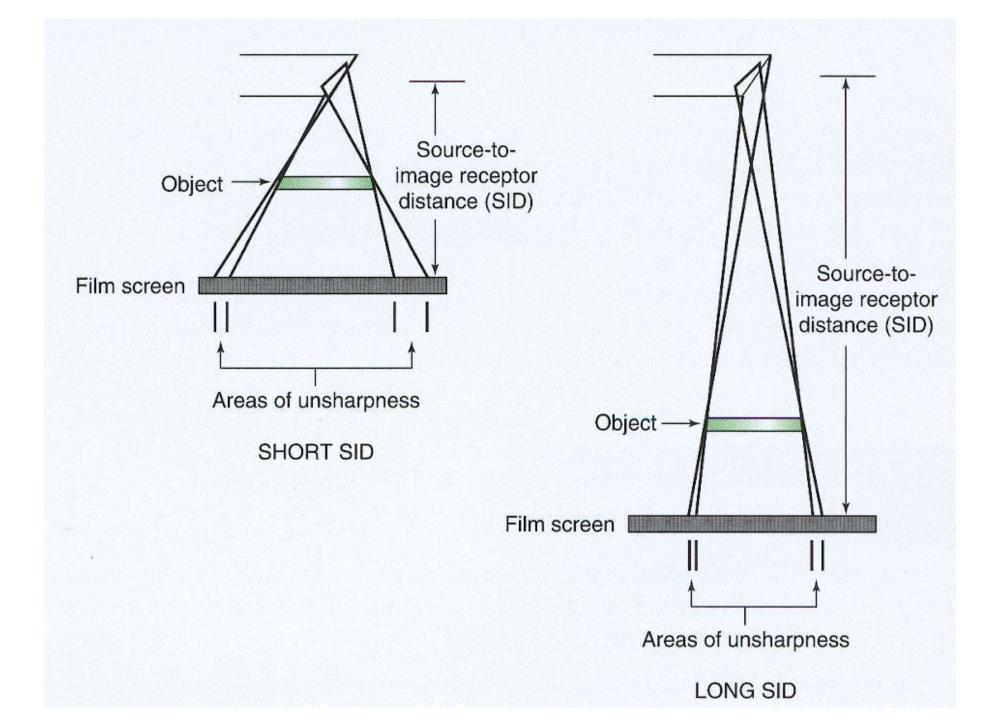


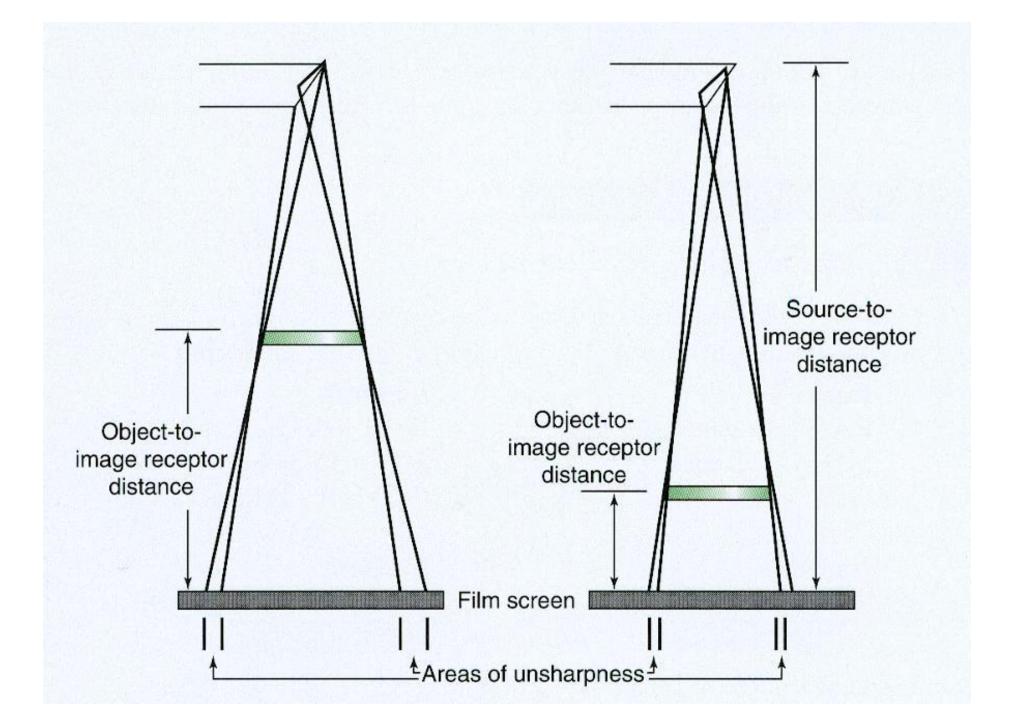
Scatter radiation hits the lead strip and is absorbed

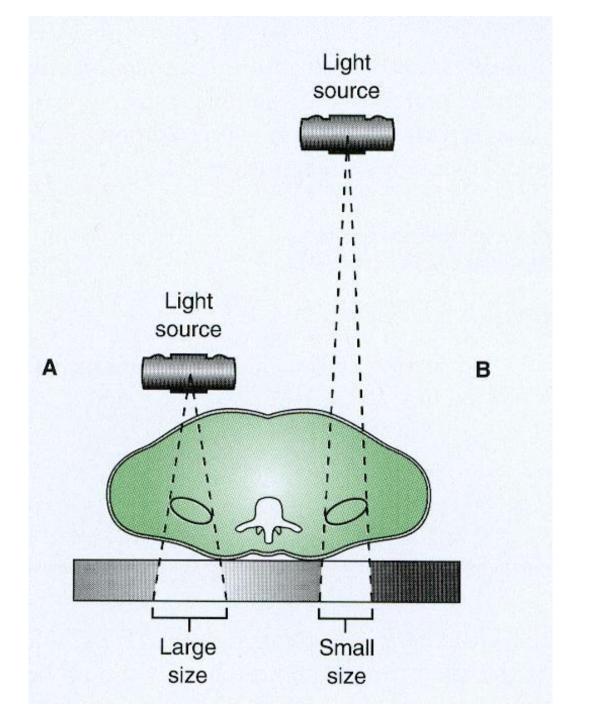


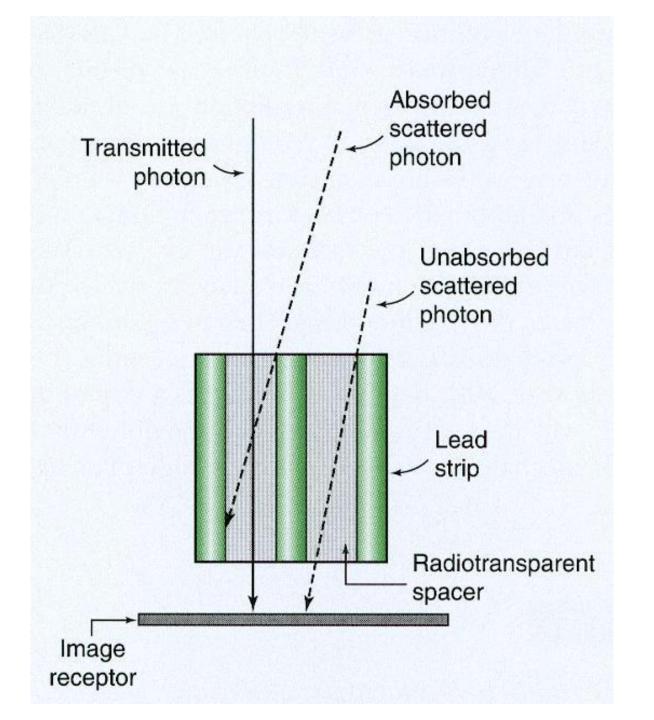


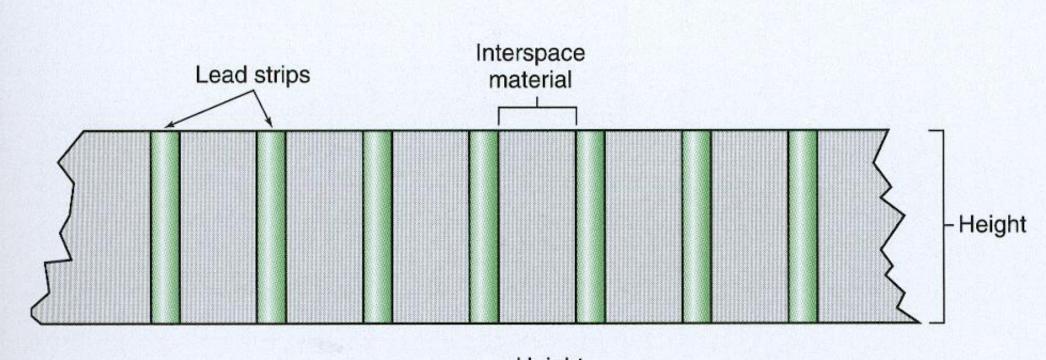


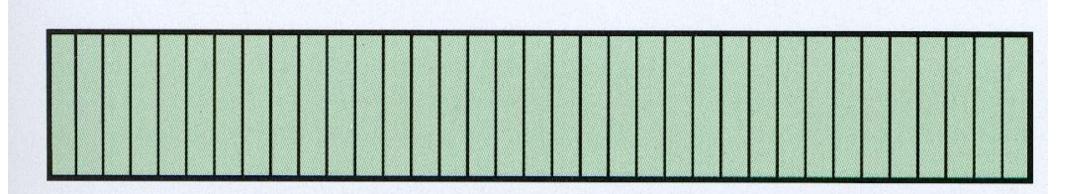


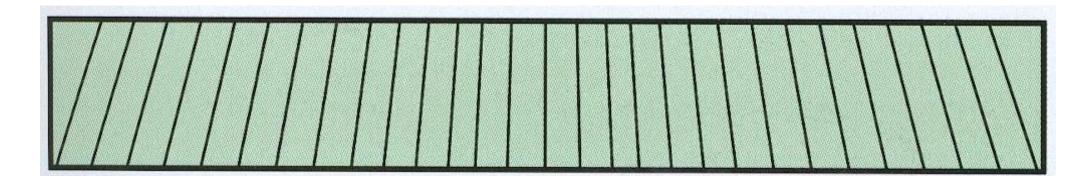


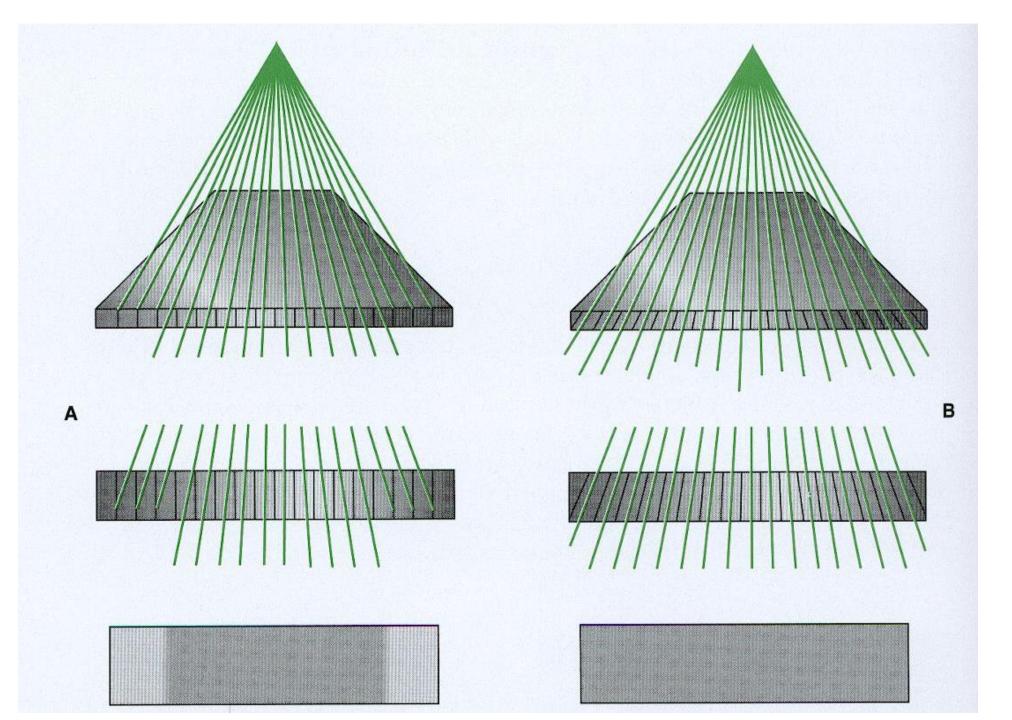


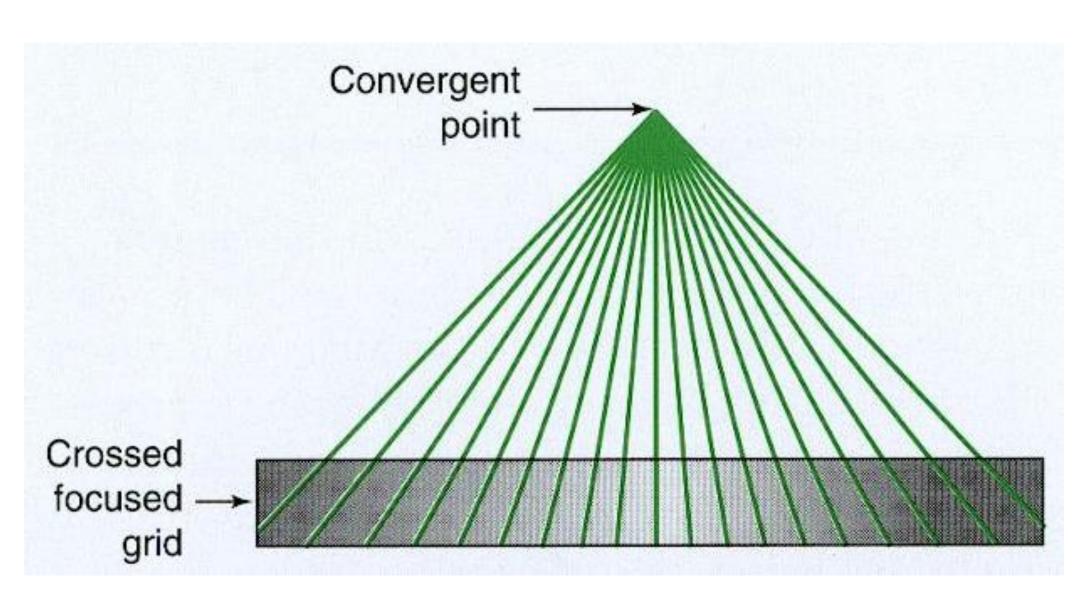


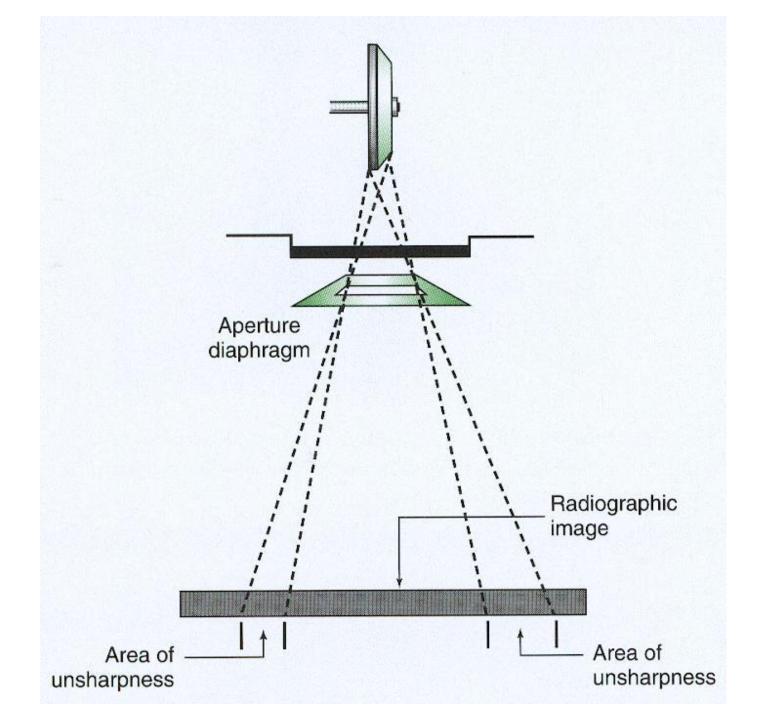


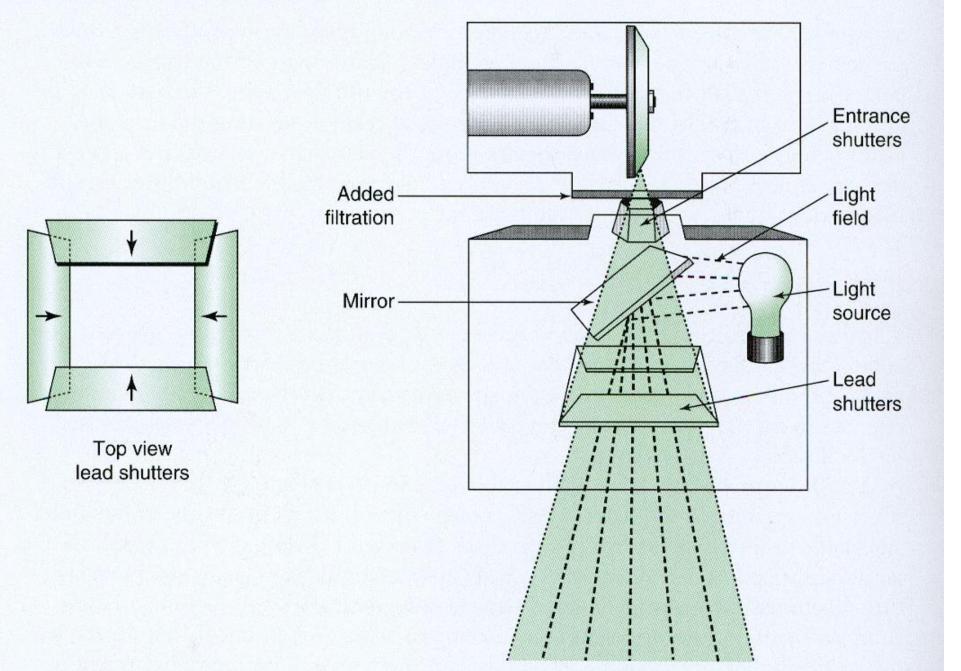


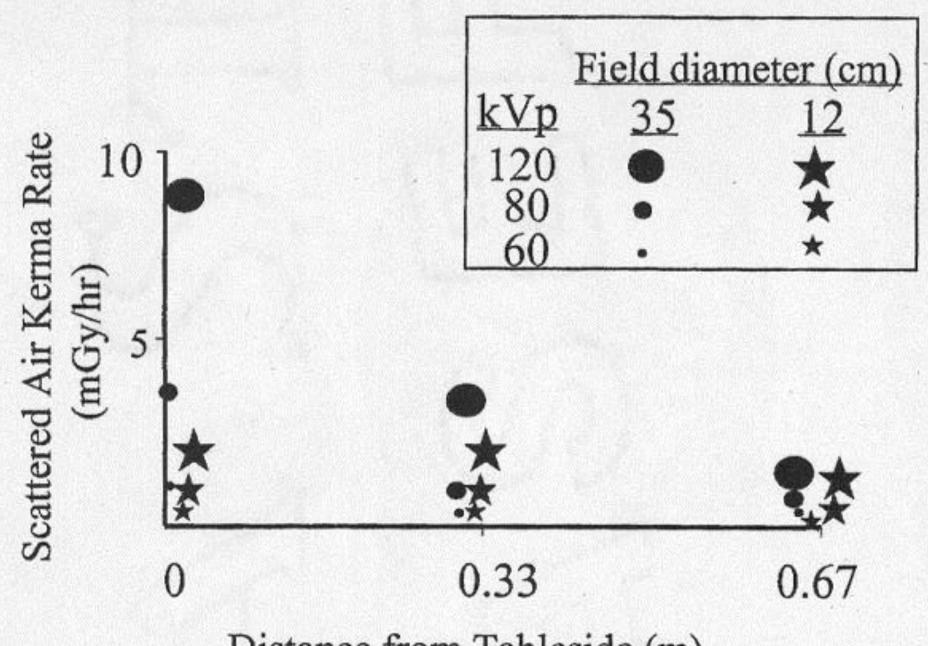




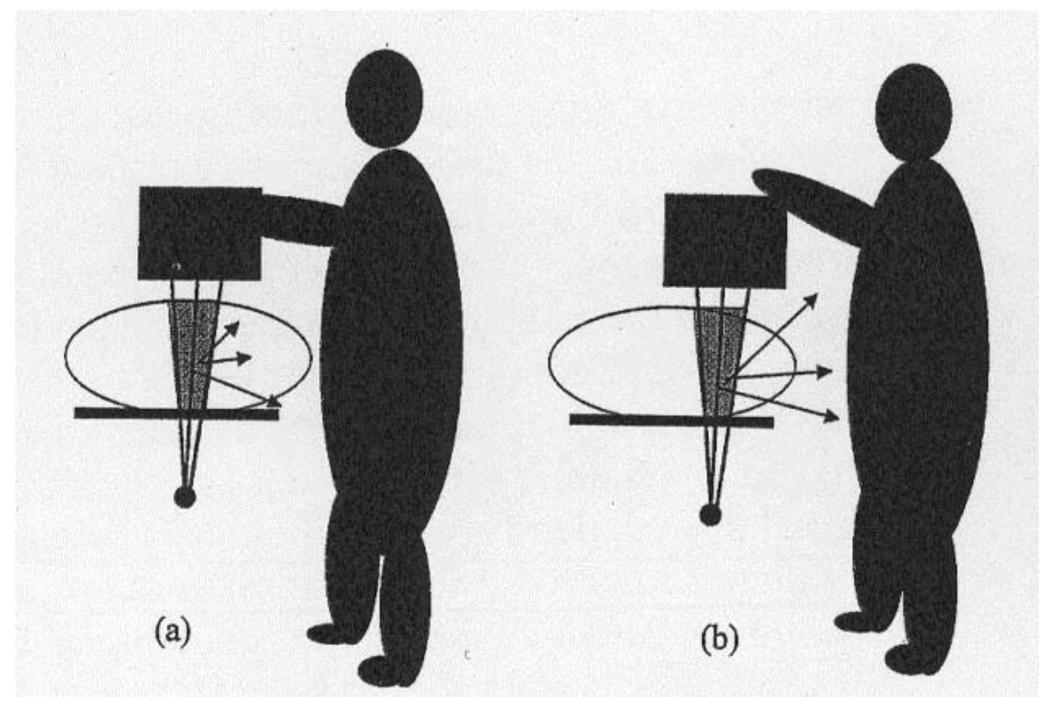








Distance from Tableside (m)



## x-ray tube x-ray tube (b)

## THE ELECTROMAGNETIC SPECTRUM

