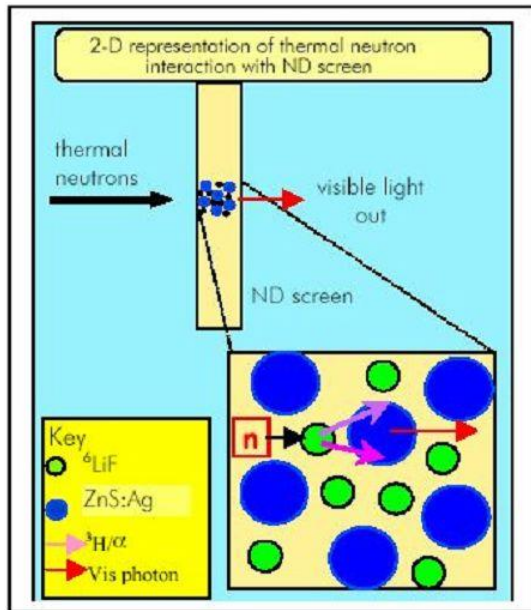


# Neutron Imaging Detectors

## The ZnS+<sup>6</sup>LiF scintillation screen



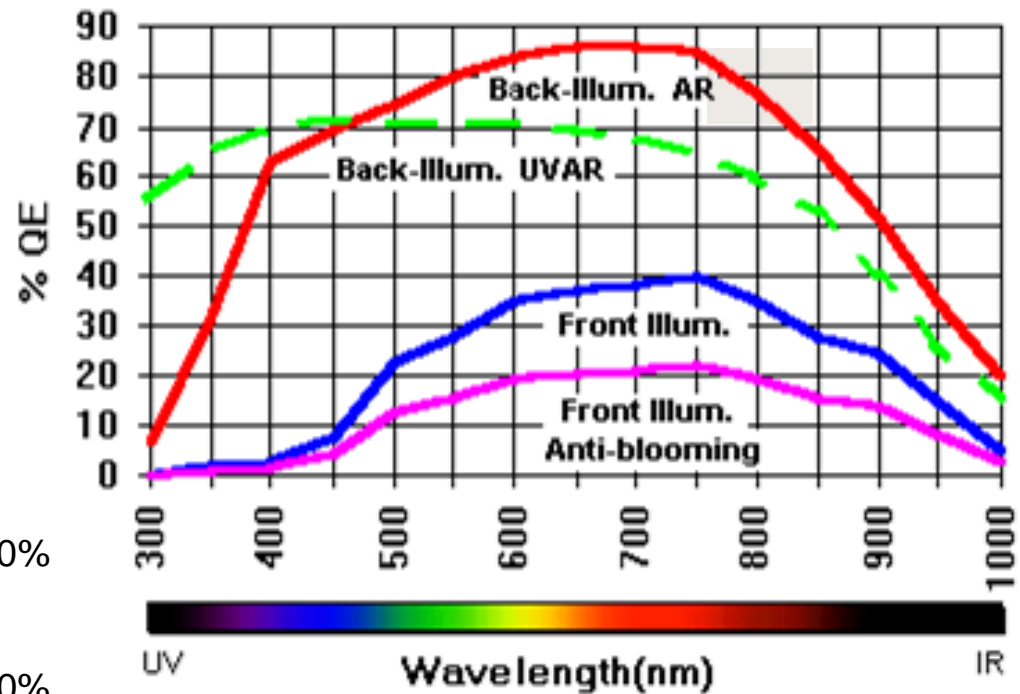
Blue scintillation screen:

Max. at 450 nm, sensitivity for FI CCD is 10%

Green scintillation screen:

Max. at 540 nm, sensitivity for FI CCD is 30%

For neutron imaging, screens are doped with Cu and Au to produce green light emission.



Quantum efficiency for back side illuminated CCDs and front side illuminated CCDs