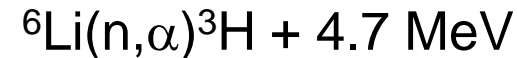


Neutron Imaging Detectors

The ZnS+⁶LiF scintillation screen is the limit of resolution.

The reaction products of



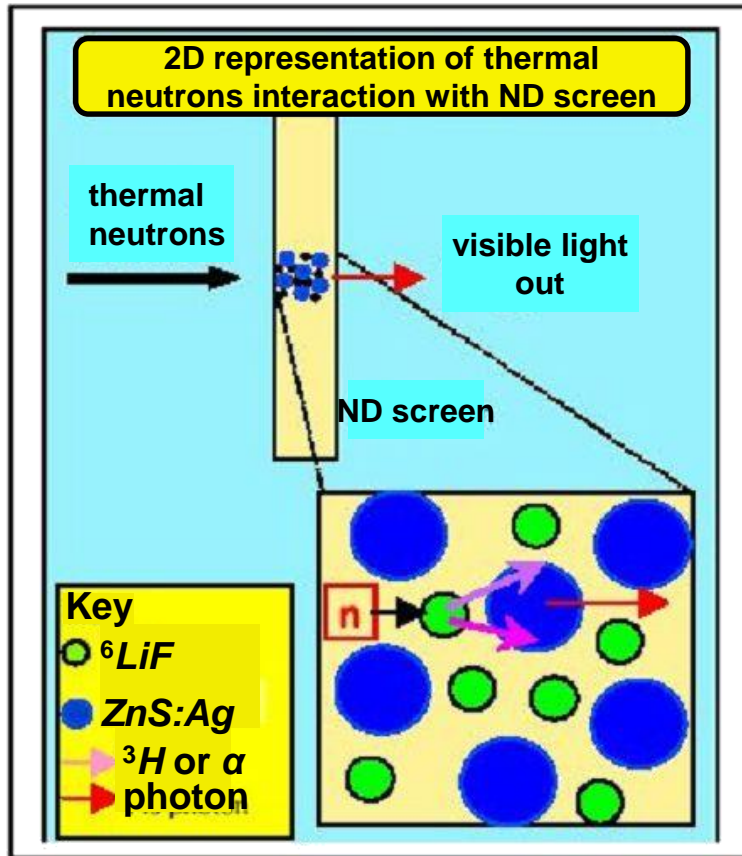
have to be stopped in the ZnS scintillation screen.

Their average range is in the order of 50-80 μm .

About 177,000 photons are generated per detected neutron.

With thinned scintillation screens, we can achieve resolution in the order of 20-30 μm .

The range of the daughter products from neutron capture limits the resolution



Revision no.