

Scintillating screens

Thinner scintillating layers improve the spatial resolution but decrease the efficiency which reflects in longer exposure times:

| | Thickness | Att. Coefficient, σ_{total} @1.8Å | Free-mean-path |
|---------------------------|------------------|--|-------------------|
| $^6\text{LiFZnS:Ag}$ | 50 μm | 3.1 cm^{-1} (2%) | 130 μm |
| $\text{GdO}_2\text{S:Tb}$ | 10 μm | 1500 cm^{-1} (78%) | 12 μm |