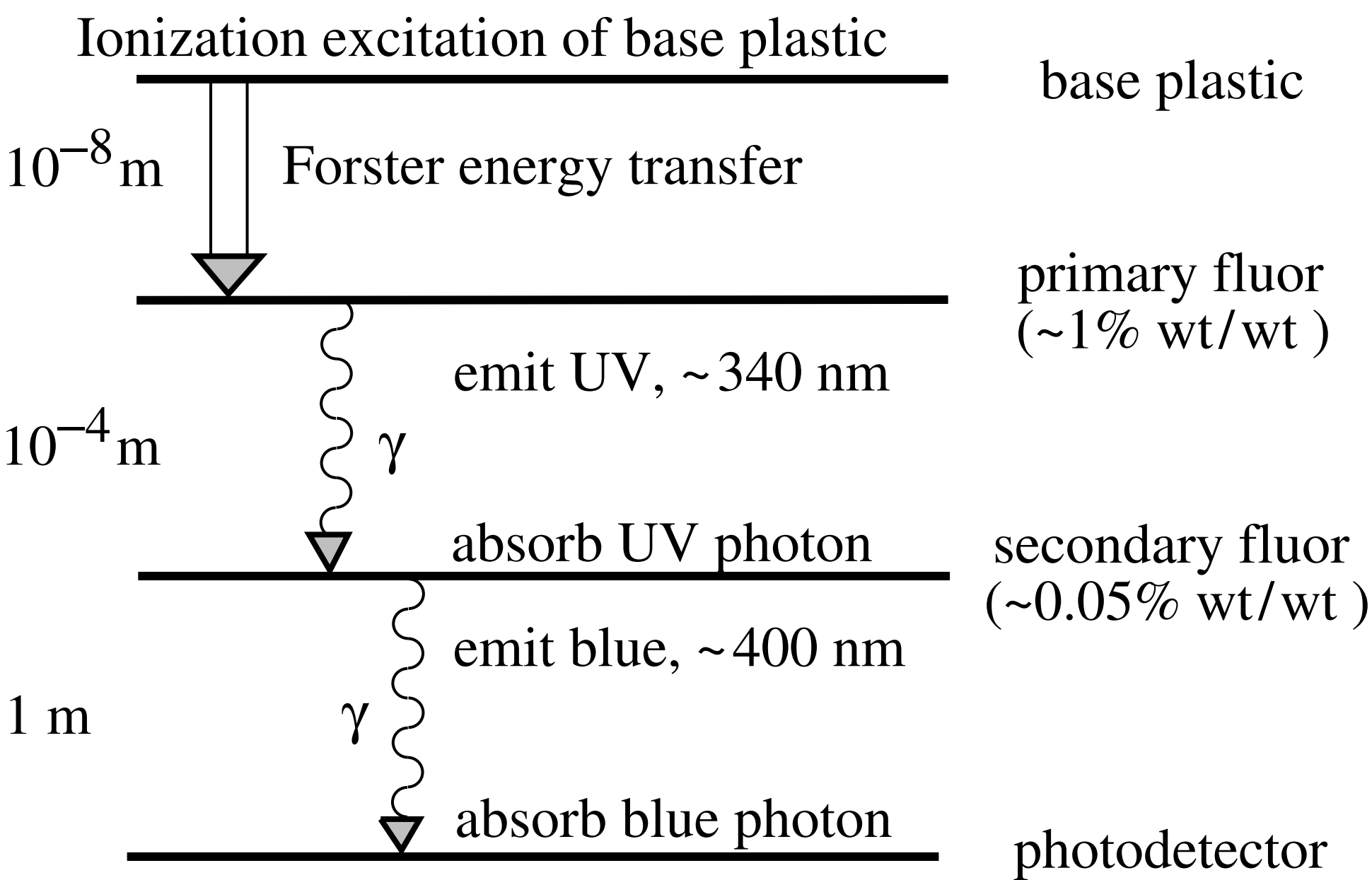
Ionization excitation of base plastic
base plastic
10^{-8} m
Forster energy transfer
primary fluor
(~1% wt/wt)
emit UV, ~340 nm
10^{-4} m
γ
absorb UV photon
secondary fluor
(~0.05% wt/wt)
emit blue, ~400 nm
1 m
γ
absorb blue photon
photodetector