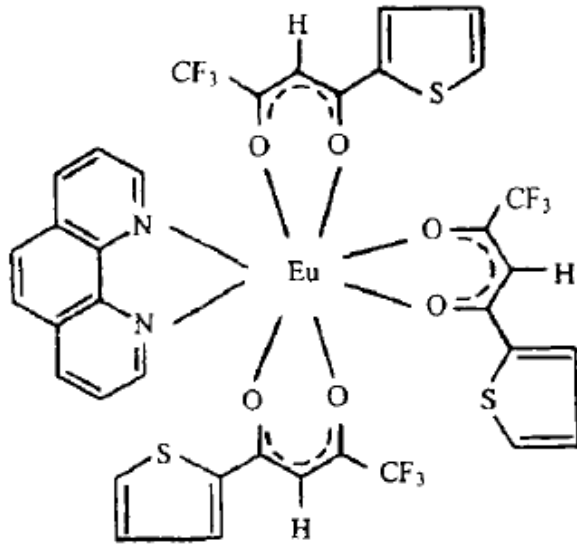
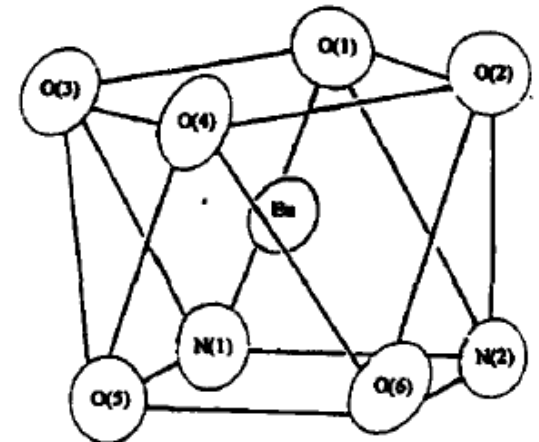
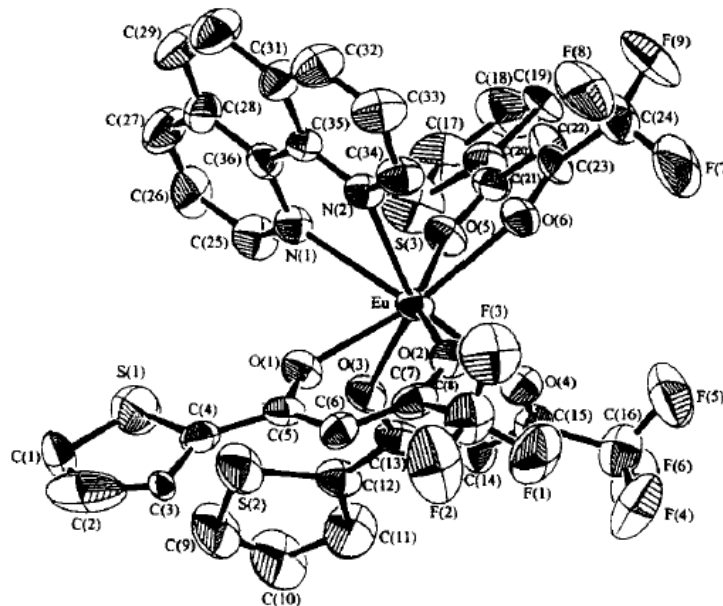


ESPERIENZA 3

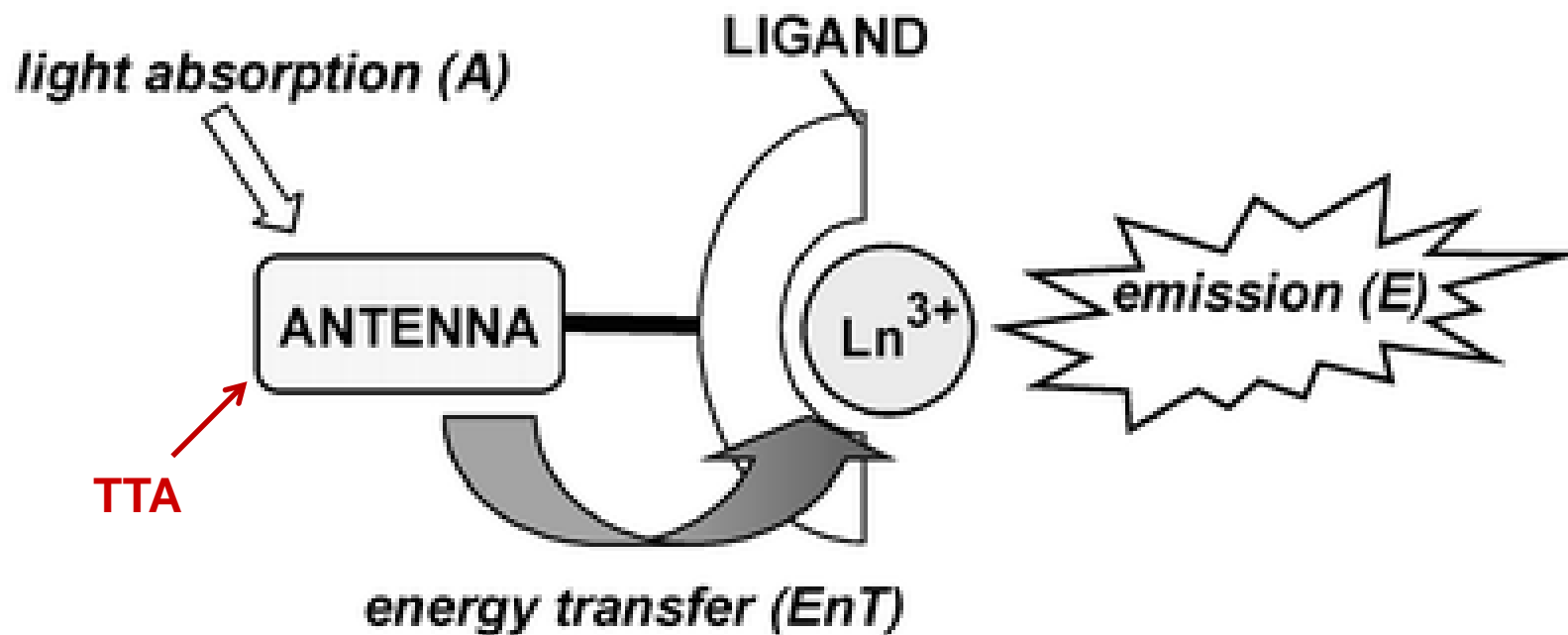
SINTESI DI UN COMPLESSO LUMINESCENTE: [Eu(TTA)₃(phen)]



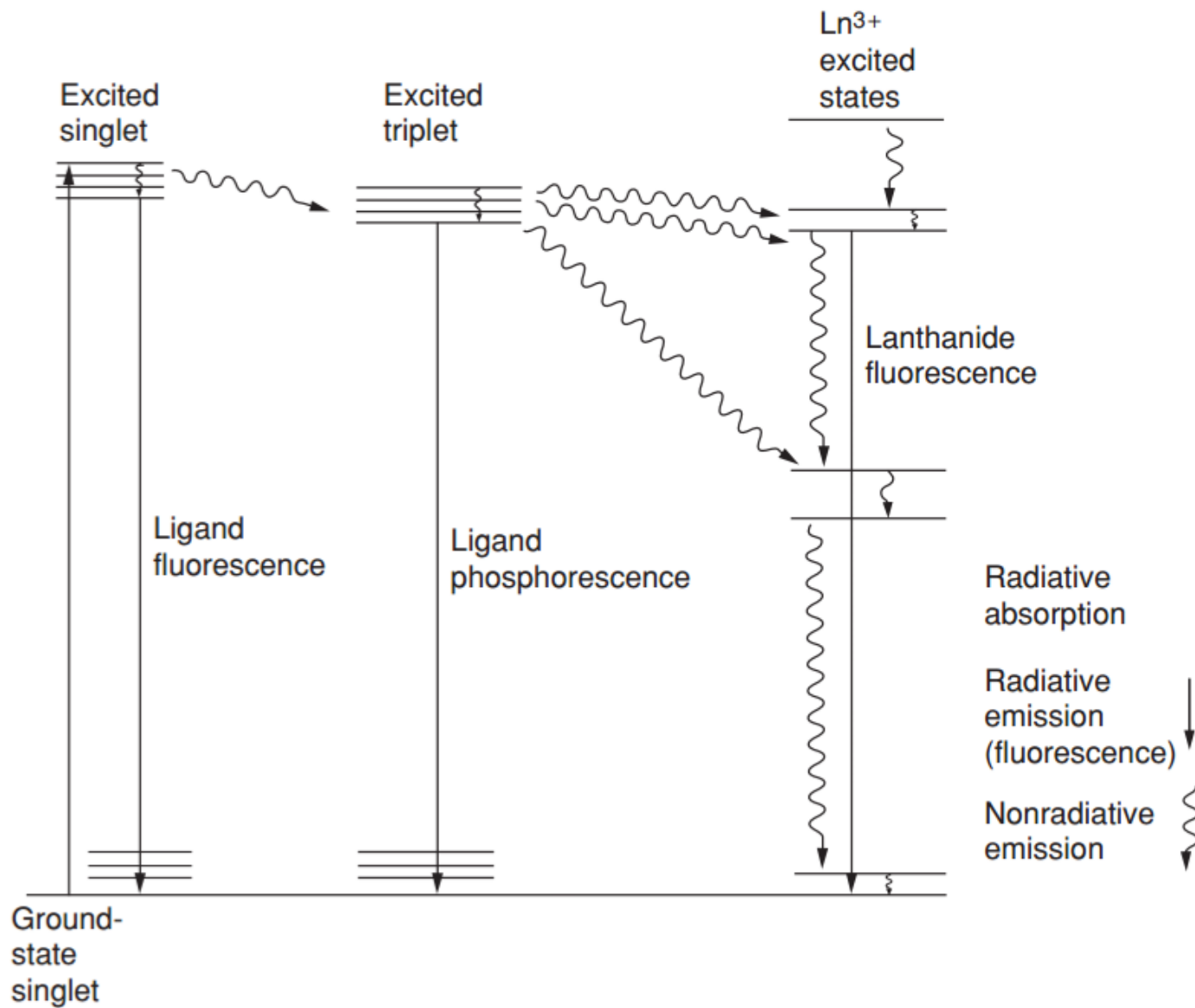
Struttura allo stato solido di
[Eu(TTA)₃(phen)]



Sensibilizzazione (*antenna excitation*)



Sensibilizzazione (*antenna excitation*)

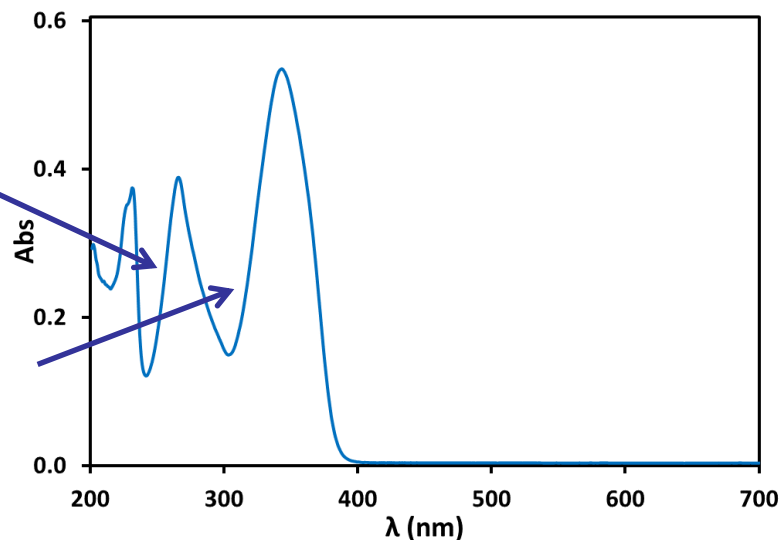


Spettri UV-Vis di $[\text{Eu}(\text{TTA})_3(\text{phen})]$

Spettro di assorbimento:

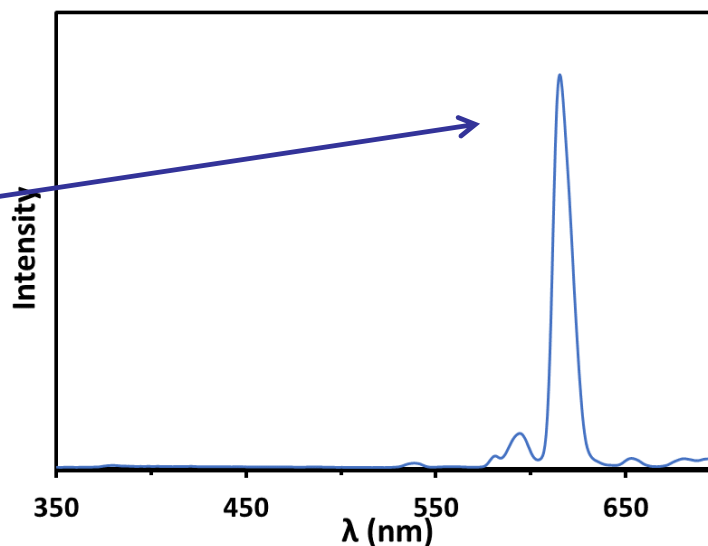
Banda associata alla **phen**
($\lambda = 266 \text{ nm}$)

Banda associata a **TTA** nel
complesso ($\lambda = 340 \text{ nm}$)



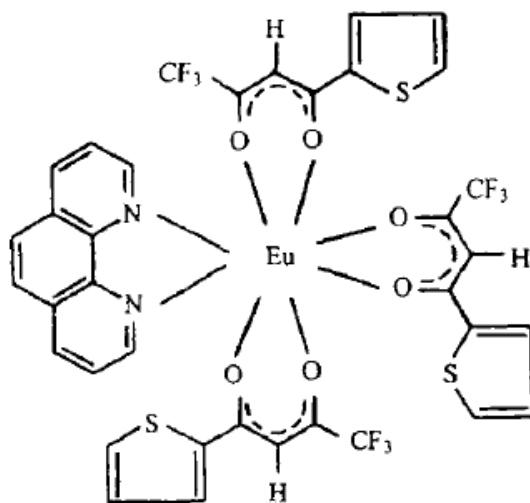
Spettro di emissione:

Banda di emissione del
complesso dovuta a
transizione ${}^7\text{F}_2 \leftarrow {}^5\text{D}_0$
($\lambda = 614 \text{ nm}$)



Spettri IR di $[\text{Eu}(\text{TTA})_3(\text{phen})]$

Legante TTAH



$\nu_{\text{C}=\text{O}}$ (cm^{-1})

1662; 1645

1625; 1600

$\nu_{\text{C}=\text{O}}$ (cm^{-1})

