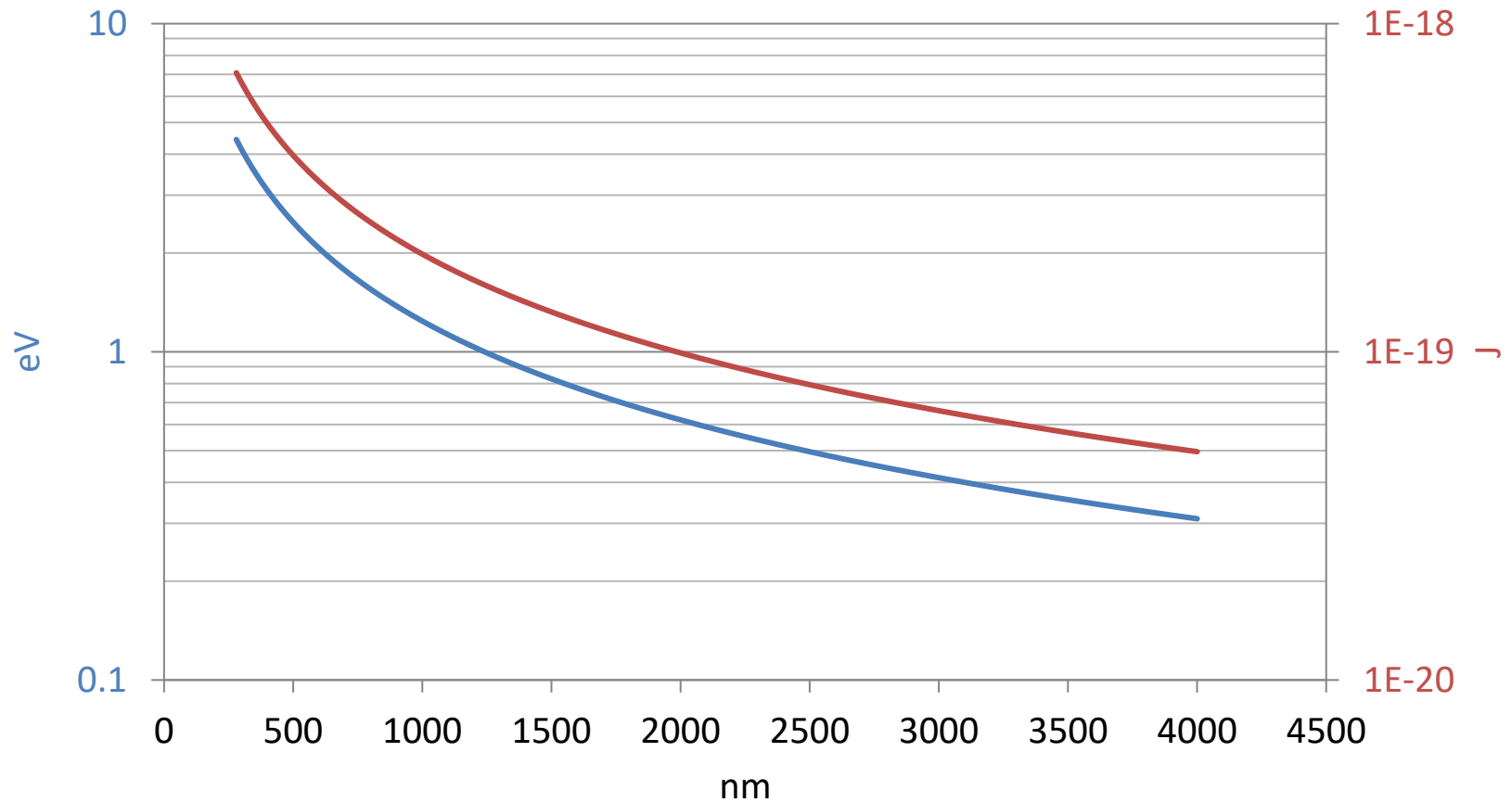


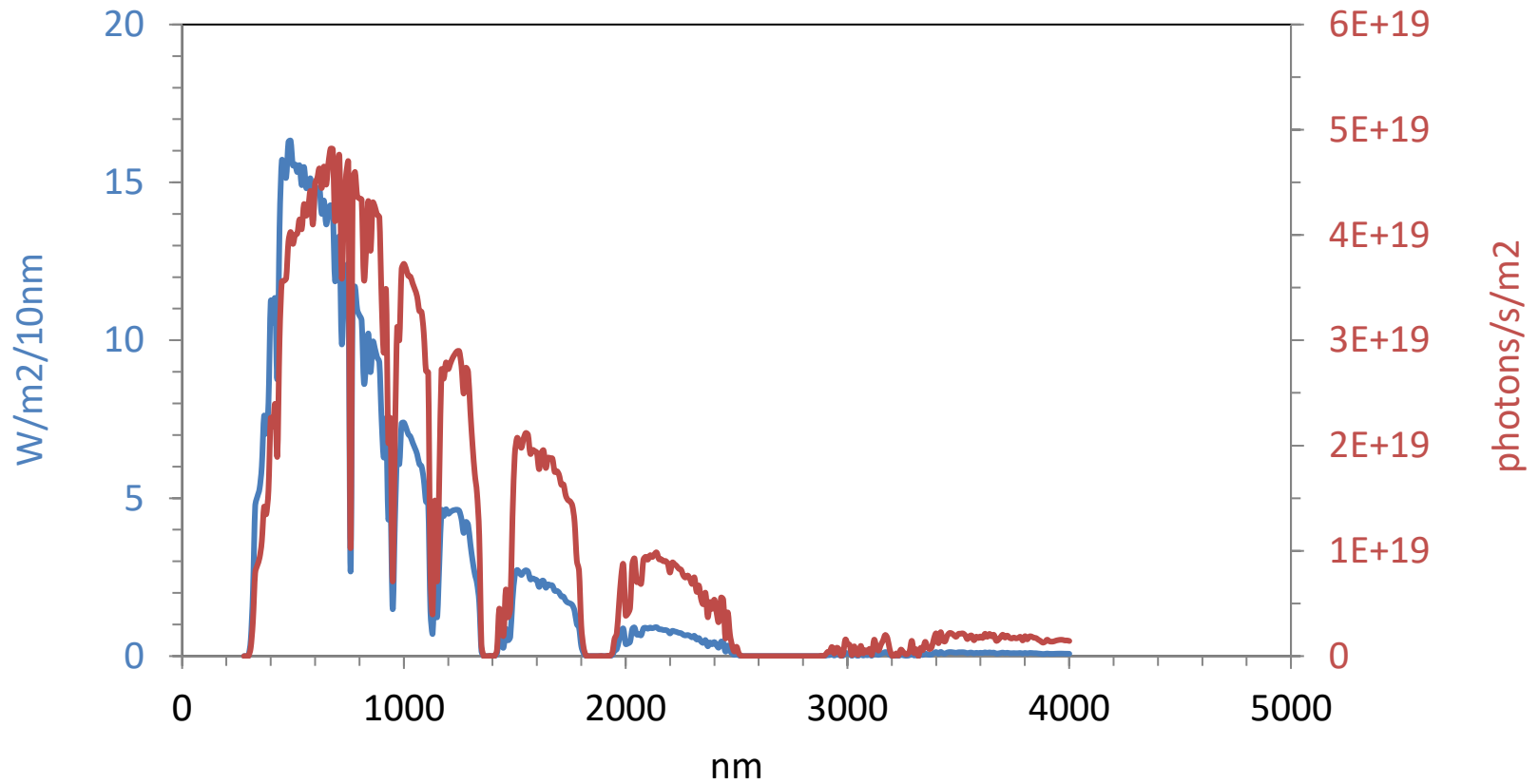
II – Problems 1 and 3

$$E = 1.24 \text{ eV}/\lambda$$
$$1 \text{ eV} = 1.6 \times 10^{-19} \text{ J}$$



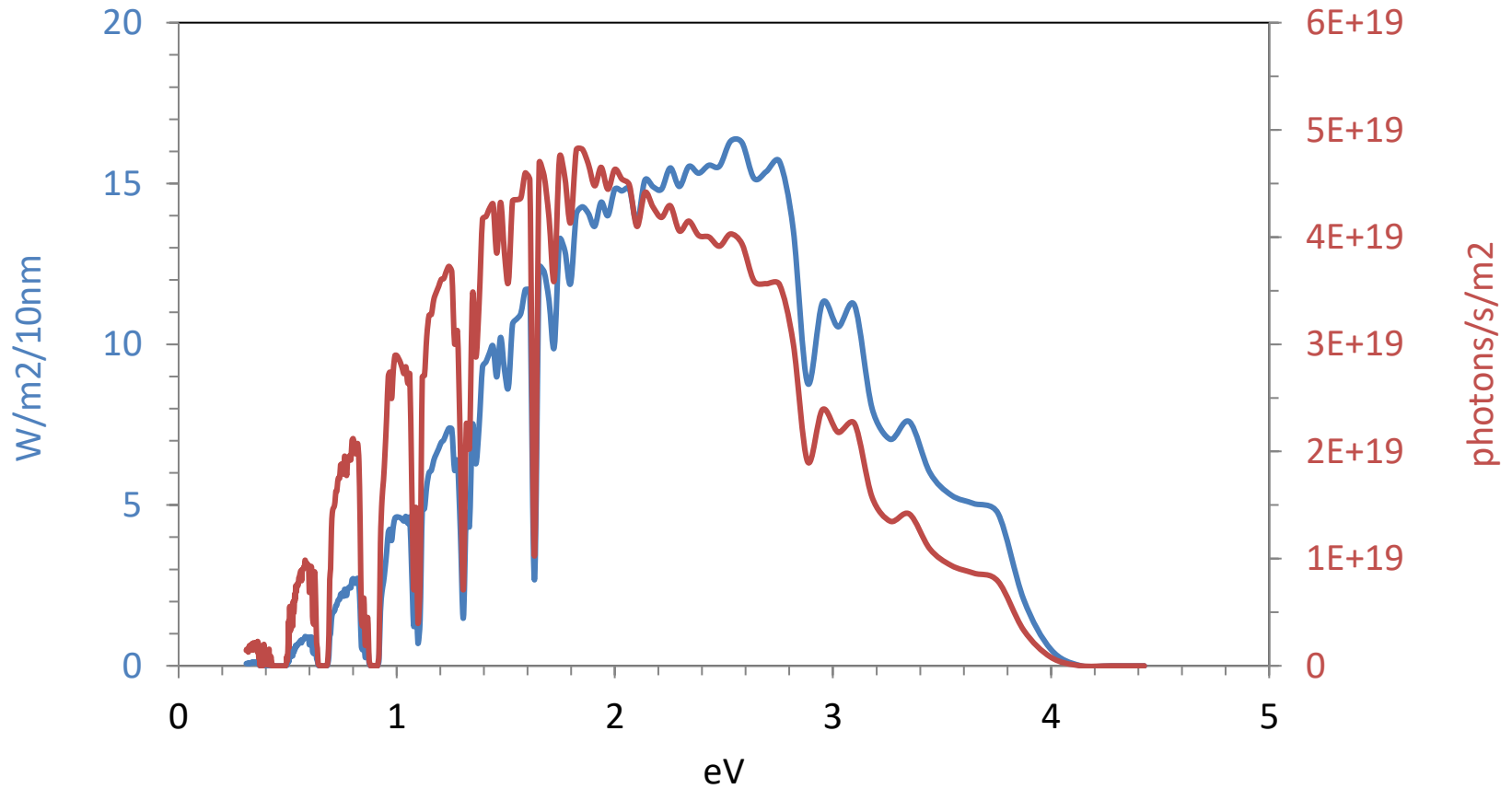
II – Problems 1 and 3

$$\text{Photons [}/\text{m}^2\text{/s]} = F [\text{W}/\text{m}^2] / E [\text{W}]$$

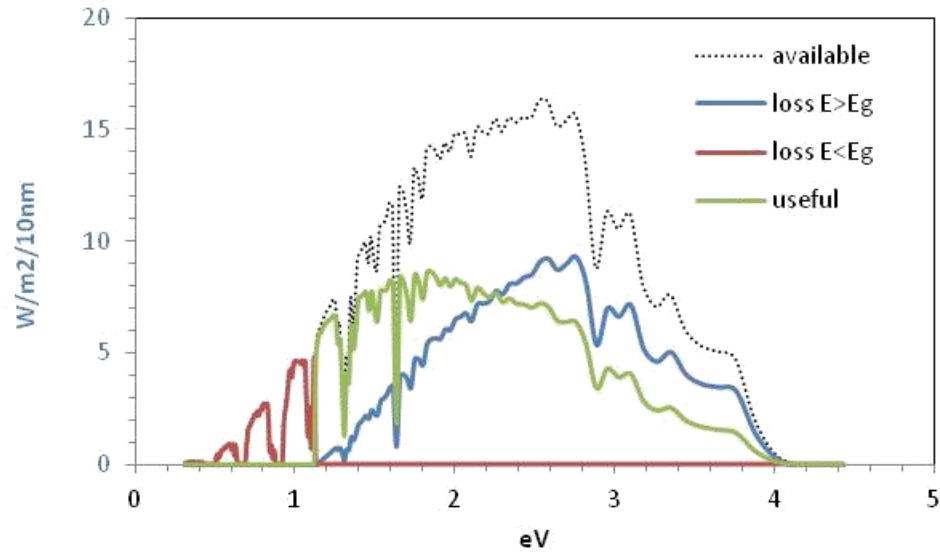


II – Problems 1 and 3

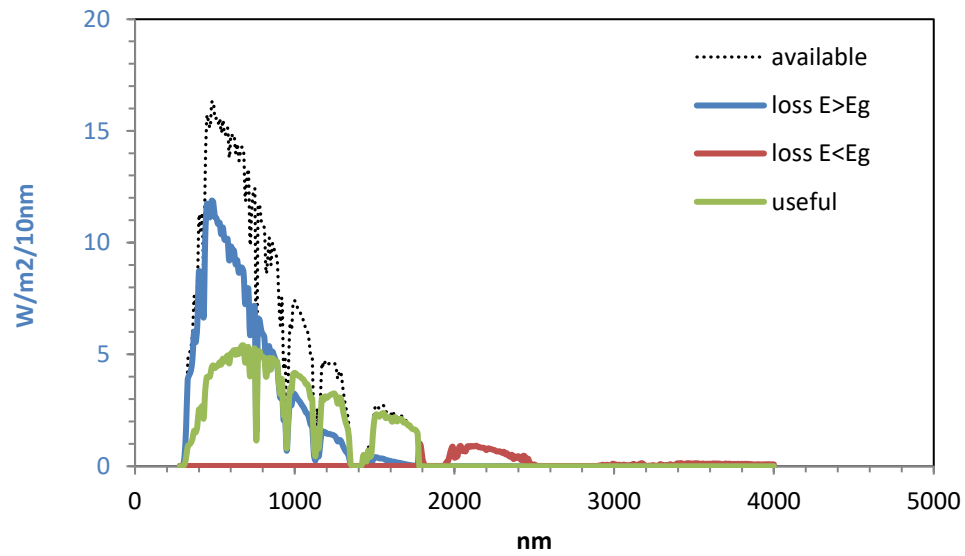
$$\text{Photons [}/\text{m}^2\text{/s]} = F [\text{W}/\text{m}^2] / E [\text{W}]$$



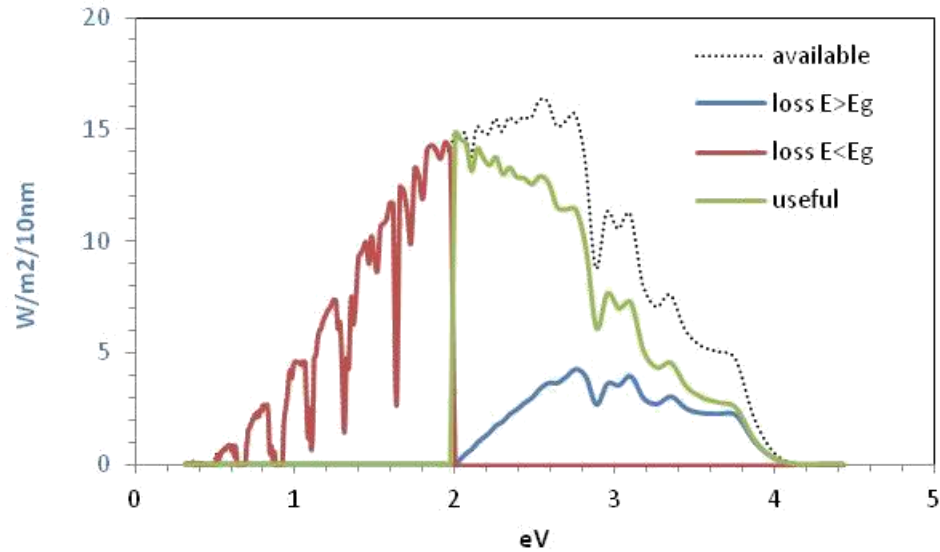
II – Problems 1 and 3



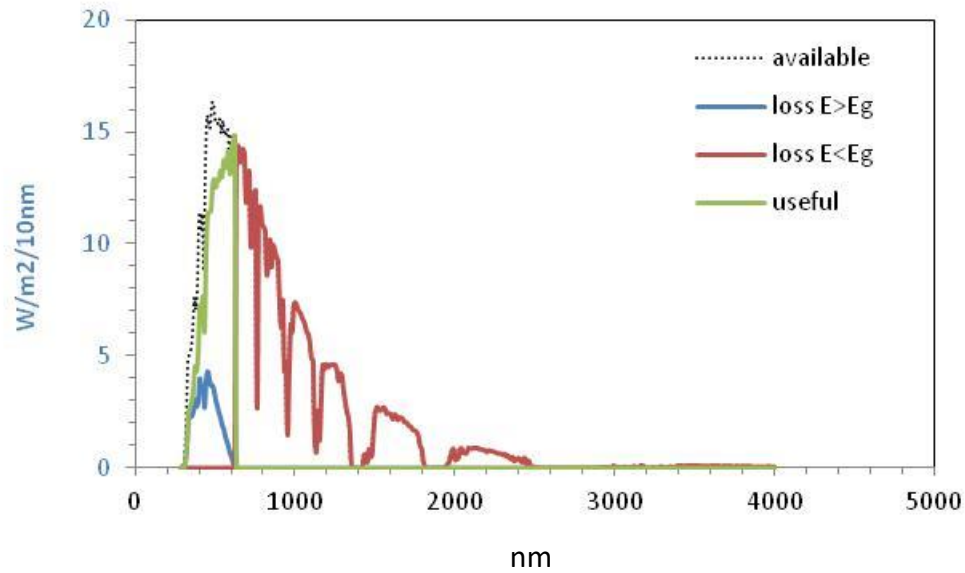
$E_g = 1.12 eV$



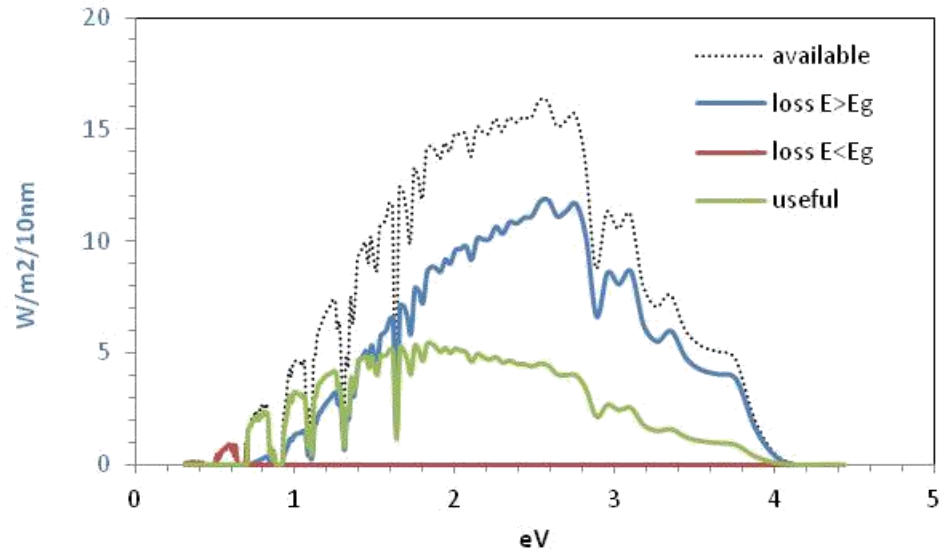
II – Problems 1 and 3



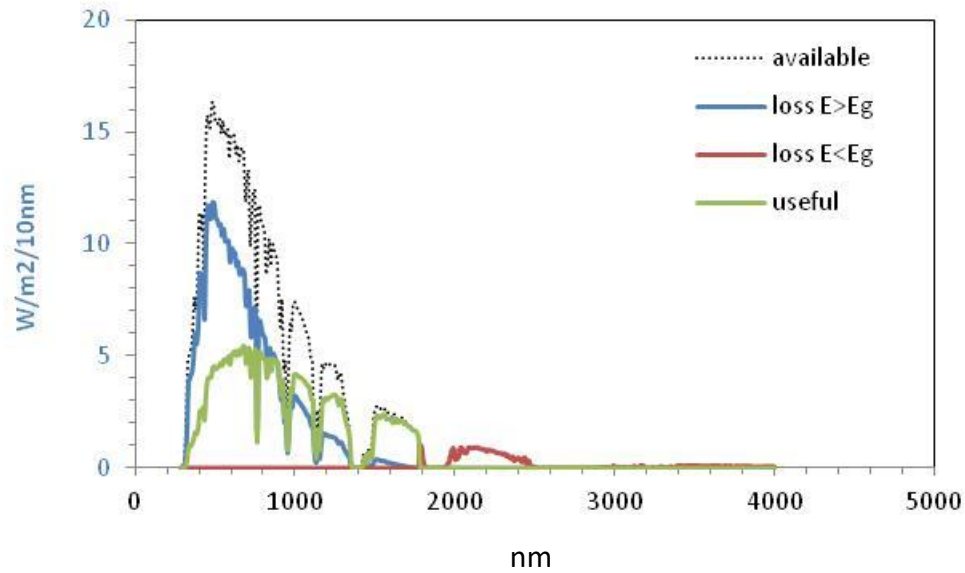
$E_g = 2.00 eV$



II – Problems 1 and 3



$E_g = 0.70 eV$



II – Problems 1 and 3

