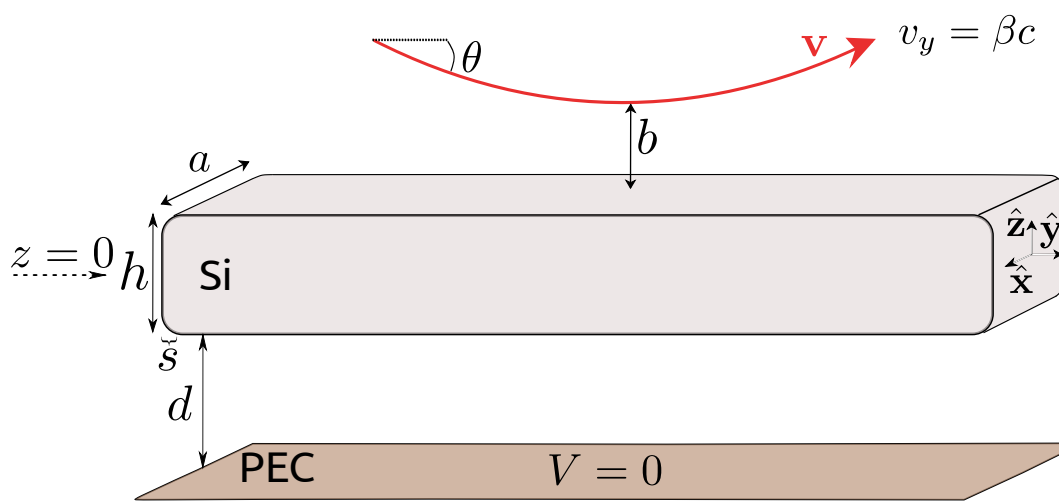
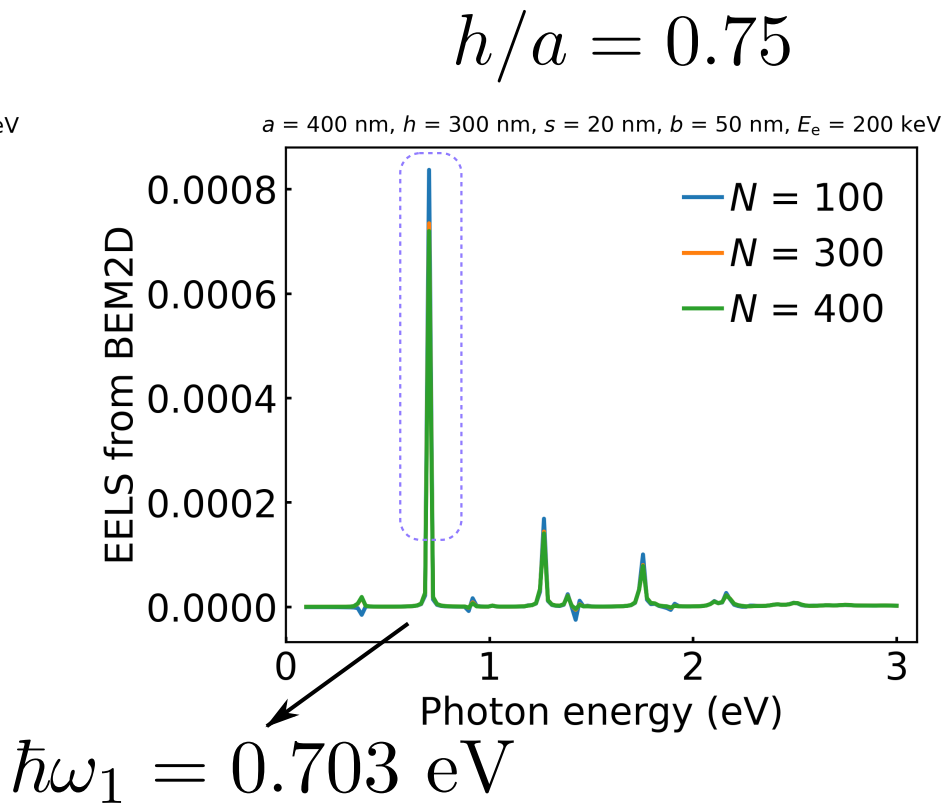
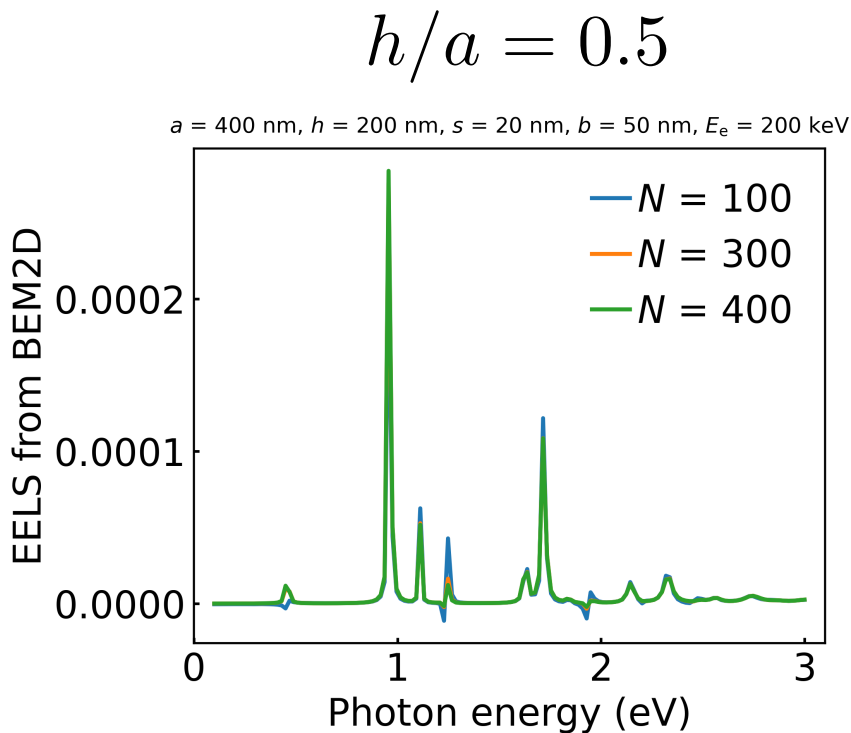
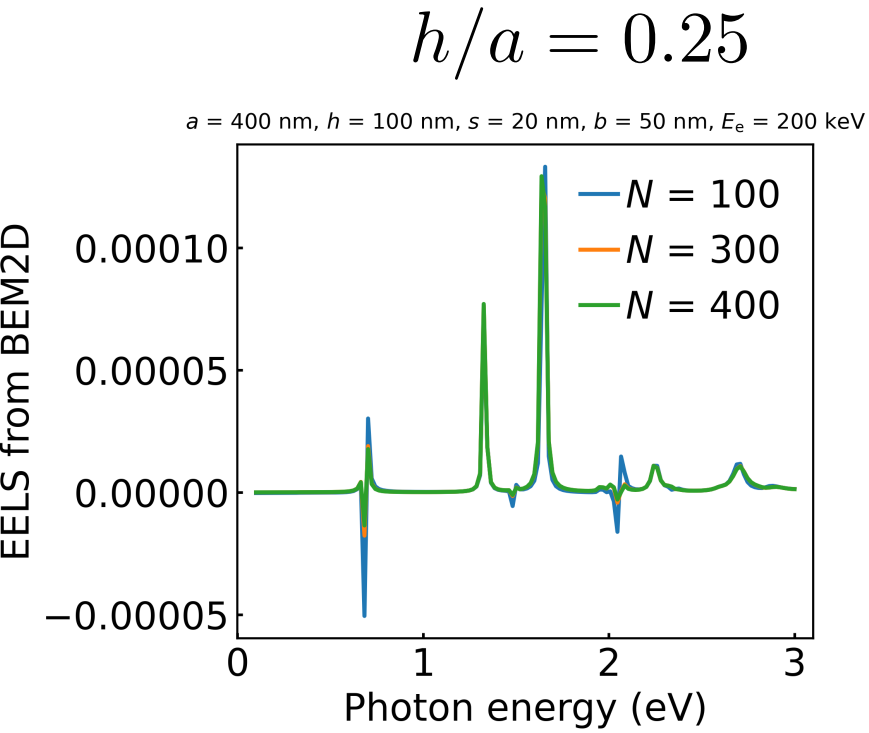


BEM 2D: EELS of rectangular waveguide for a parallel trajectory



$d/a = 500 \quad s/a = 0.1$   
 $E_e = 200\text{ keV}$

$$P(\omega) = 2 \int_{z_{\min}}^{\infty} \frac{\beta dz}{\sqrt{\beta^2 \sin^2 \theta + \frac{2eV(z)}{m_e c^2 \gamma_e}}} \boxed{\frac{d\Gamma_{\text{EELS}}(z, \omega)}{dy}}$$

from  $h/2$  from bem2D

